

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG072618\  
 Data File : BG035926.D  
 Acq On : 27 Jul 2018 2:22  
 Operator : JU/SJ  
 Sample : PB111478BSD  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Jul 27 07:22:51 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG071218.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jul 25 11:04:14 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.03  | 152  | 33071    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.83 | 136  | 132651   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 14.65 | 164  | 100889   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 17.39 | 188  | 286003   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 21.66 | 240  | 304473   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 24.86 | 264  | 292273   | 20.00 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 5) 2-Fluorophenol           | 5.61  | 112  | 270353   | 135.72 | ng    | 0.00     |
| 7) Phenol-d6                | 7.20  | 99   | 399044   | 134.27 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.19  | 82   | 249417   | 78.55  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 16.14 | 330  | 193600   | 145.59 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 13.27 | 172  | 608885   | 80.86  | ng    | 0.00     |
| 78) Terphenyl-d14           | 20.00 | 244  | 1191357  | 86.25  | ng    | 0.00     |

| Target Compounds               | R.T.  | QIon | Response | Conc   | Units | Qvalue |
|--------------------------------|-------|------|----------|--------|-------|--------|
| 2) 1,4-Dioxane                 | 3.52  | 88   | 31766    | 31.333 | ng    | # 76   |
| 3) Pyridine                    | 3.91  | 79   | 90950    | 34.363 | ng    | # 73   |
| 4) n-Nitrosodimethylamine      | 3.83  | 42   | 37044    | 32.597 | ng    | # 62   |
| 6) Aniline                     | 7.35  | 93   | 103771   | 26.939 | ng    | 98     |
| 8) 2-Chlorophenol              | 7.59  | 128  | 92050    | 45.436 | ng    | 98     |
| 9) Benzaldehyde                | 7.16  | 77   | 63513    | 34.830 | ng    | 94     |
| 10) Phenol                     | 7.22  | 94   | 139108   | 46.330 | ng    | 96     |
| 11) bis(2-Chloroethyl)ether    | 7.45  | 93   | 88793    | 37.761 | ng    | 85     |
| 12) 1,3-Dichlorobenzene        | 7.92  | 146  | 100498   | 41.078 | ng    | 96     |
| 13) 1,4-Dichlorobenzene        | 8.06  | 146  | 102934   | 41.410 | ng    | 92     |
| 14) 1,2-Dichlorobenzene        | 8.38  | 146  | 96482    | 40.403 | ng    | 92     |
| 15) Benzyl Alcohol             | 8.26  | 79   | 105474   | 39.081 | ng    | 92     |
| 16) 2,2'-oxybis(1-Chloropropan | 8.55  | 45   | 99089    | 50.264 | ng    | 77     |
| 17) 2-Methylphenol             | 8.47  | 107  | 93309    | 45.707 | ng    | 92     |
| 18) Hexachloroethane           | 9.10  | 117  | 38208    | 40.201 | ng    | 88     |
| 19) n-Nitroso-di-n-propylamine | 8.83  | 70   | 86305    | 34.486 | ng    | # 85   |
| 20) 3+4-Methylphenols          | 8.80  | 107  | 128229   | 45.278 | ng    | 96     |
| 22) Acetophenone               | 8.85  | 105  | 157157   | 38.098 | ng    | # 93   |
| 24) Nitrobenzene               | 9.23  | 77   | 126701   | 39.675 | ng    | 95     |
| 25) Isophorone                 | 9.75  | 82   | 243969   | 41.389 | ng    | 99     |
| 26) 2-Nitrophenol              | 9.94  | 139  | 54155    | 47.749 | ng    | # 91   |
| 27) 2,4-Dimethylphenol         | 10.00 | 122  | 97664    | 50.871 | ng    | 88     |
| 28) bis(2-Chloroethoxy)methane | 10.23 | 93   | 132602   | 40.825 | ng    | 94     |
| 29) 2,4-Dichlorophenol         | 10.48 | 162  | 107842   | 49.209 | ng    | 97     |
| 30) 1,2,4-Trichlorobenzene     | 10.69 | 180  | 114494   | 42.606 | ng    | 99     |
| 31) Naphthalene                | 10.88 | 128  | 279618   | 40.466 | ng    | 95     |
| 32) Benzoic acid               | 10.16 | 122  | 41796    | 32.340 | ng    | 92     |
| 33) 4-Chloroaniline            | 11.00 | 127  | 38422    | 12.758 | ng    | # 91   |
| 34) Hexachlorobutadiene        | 11.16 | 225  | 87255    | 41.639 | ng    | 99     |
| 35) Caprolactam                | 11.76 | 113  | 20914    | 22.238 | ng    | # 73   |
| 36) 4-Chloro-3-methylphenol    | 12.11 | 107  | 133950   | 45.600 | ng    | 94     |
| 37) 2-Methylnaphthalene        | 12.48 | 142  | 229727   | 44.625 | ng    | 96     |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.85 | 216  | 154392   | 40.545 | ng    | 99     |
| 40) Hexachlorocyclopentadiene  | 12.83 | 237  | 191856   | 96.071 | ng    | 92     |

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Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Jul 27 07:22:51 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG071218.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jul 25 11:04:14 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 13.09 | 196  | 105505   | 47.378 | ng    | 92       |
| 43) 2,4,5-Trichlorophenol      | 13.17 | 196  | 115213   | 46.248 | ng    | 96       |
| 45) 1,1'-Biphenyl              | 13.49 | 154  | 315901   | 40.387 | ng    | 96       |
| 46) 2-Chloronaphthalene        | 13.53 | 162  | 255847   | 42.051 | ng    | 100      |
| 47) 2-Nitroaniline             | 13.73 | 65   | 90796    | 42.212 | ng    | 98       |
| 48) Acenaphthylene             | 14.37 | 152  | 434010   | 42.585 | ng    | 98       |
| 49) Dimethylphthalate          | 14.10 | 163  | 364134   | 41.195 | ng    | # 96     |
| 50) 2,6-Dinitrotoluene         | 14.23 | 165  | 84670    | 47.038 | ng    | 88       |
| 51) Acenaphthene               | 14.71 | 154  | 249605   | 39.315 | ng    | 99       |
| 52) 3-Nitroaniline             | 14.55 | 138  | 42965    | 23.354 | ng    | # 95     |
| 53) 2,4-Dinitrophenol          | 14.77 | 184  | 83003    | 88.875 | ng    | # 61     |
| 54) Dibenzofuran               | 15.05 | 168  | 423222   | 41.916 | ng    | 92       |
| 55) 4-Nitrophenol              | 14.88 | 139  | 116765   | 89.120 | ng    | # 86     |
| 56) 2,4-Dinitrotoluene         | 15.01 | 165  | 122617   | 47.482 | ng    | 87       |
| 57) Fluorene                   | 15.69 | 166  | 357403   | 42.233 | ng    | 98       |
| 58) 2,3,4,6-Tetrachlorophenol  | 15.28 | 232  | 113943   | 47.704 | ng    | 95       |
| 59) Diethylphthalate           | 15.47 | 149  | 372527   | 40.986 | ng    | 96       |
| 60) 4-Chlorophenyl-phenylether | 15.69 | 204  | 208542   | 41.927 | ng    | 96       |
| 61) 4-Nitroaniline             | 15.72 | 138  | 83126    | 43.194 | ng    | # 83     |
| 62) Azobenzene                 | 15.98 | 77   | 368704   | 41.125 | ng    | 94       |
| 64) 4,6-Dinitro-2-methylphenol | 15.78 | 198  | 73779    | 46.341 | ng    | 83       |
| 65) n-Nitrosodiphenylamine     | 15.90 | 169  | 323720   | 39.766 | ng    | 99       |
| 66) 4-Bromophenyl-phenylether  | 16.58 | 248  | 140863   | 42.453 | ng    | 99       |
| 67) Hexachlorobenzene          | 16.70 | 284  | 148530   | 43.467 | ng    | 95       |
| 68) Atrazine                   | 16.85 | 200  | 150520   | 44.908 | ng    | 97       |
| 69) Pentachlorophenol          | 17.05 | 266  | 144450   | 69.404 | ng    | 97       |
| 70) Phenanthrene               | 17.44 | 178  | 604635   | 42.368 | ng    | 98       |
| 71) Anthracene                 | 17.53 | 178  | 611626   | 43.042 | ng    | 99       |
| 72) Carbazole                  | 17.80 | 167  | 561181   | 41.584 | ng    | 99       |
| 73) Di-n-butylphthalate        | 18.35 | 149  | 645786   | 40.495 | ng    | # 98     |
| 74) Fluoranthene               | 19.44 | 202  | 797692   | 41.497 | ng    | 96       |
| 76) Benzidine                  | 19.62 | 184  | 329926   | 41.217 | ng    | 98       |
| 77) Pyrene                     | 19.81 | 202  | 794248   | 41.255 | ng    | 100      |
| 79) Butylbenzylphthalate       | 20.69 | 149  | 290695   | 42.224 | ng    | 93       |
| 80) Benzo(a)anthracene         | 21.64 | 228  | 795530   | 41.927 | ng    | 100      |
| 81) 3,3'-Dichlorobenzidine     | 21.55 | 252  | 162206   | 24.518 | ng    | 99       |
| 82) Chrysene                   | 21.70 | 228  | 742677   | 42.239 | ng    | 98       |
| 83) Bis(2-ethylhexyl)phthalate | 21.53 | 149  | 403934   | 43.157 | ng    | 99       |
| 84) Di-n-octyl phthalate       | 22.74 | 149  | 689918   | 44.023 | ng    | # 92     |
| 85) Indeno(1,2,3-cd)pyrene     | 28.51 | 276  | 846682   | 43.494 | ng    | # 93     |
| 87) Benzo(b)fluoranthene       | 23.84 | 252  | 754491   | 42.472 | ng    | # 95     |
| 88) Benzo(k)fluoranthene       | 23.91 | 252  | 740693   | 42.649 | ng    | # 97     |
| 89) Benzo(a)pyrene             | 24.71 | 252  | 726747   | 43.975 | ng    | # 98     |
| 90) Dibenzo(a,h)anthracene     | 28.56 | 278  | 707422   | 43.601 | ng    | # 97     |
| 91) Benzo(g,h,i)perylene       | 29.63 | 276  | 704910   | 44.399 | ng    | # 95     |

(#) = qualifier out of range (m) = manual integration (+) = signals summed



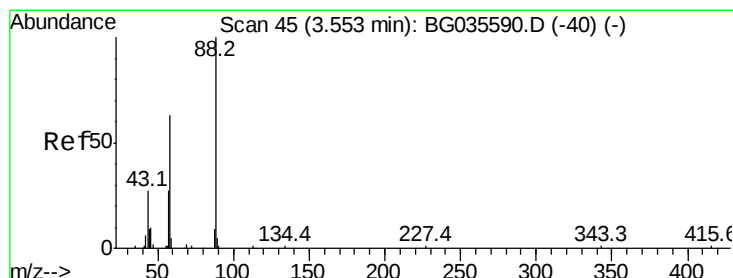
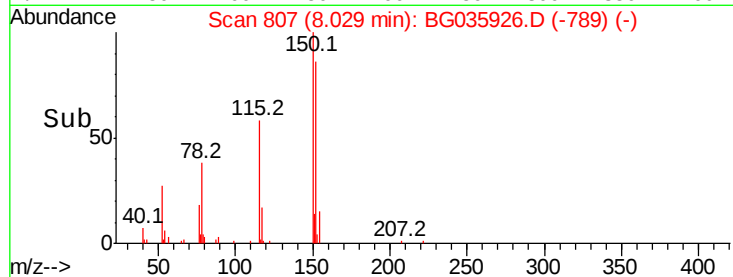
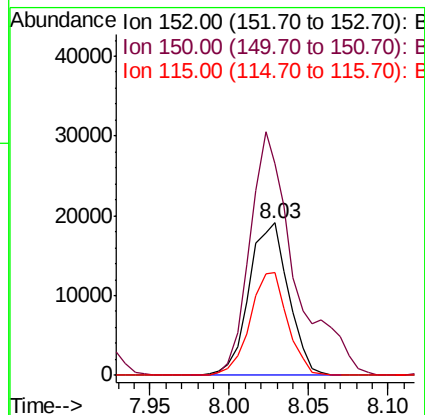
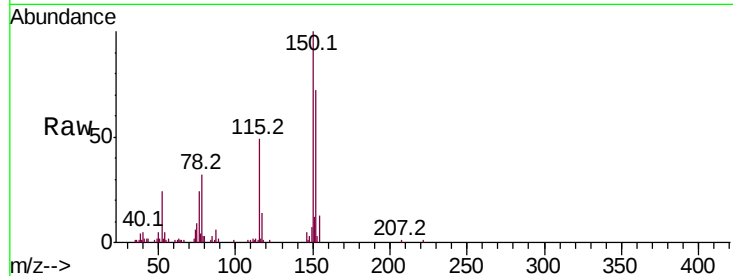


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.03 min Scan# 807  
Delta R.T. 0.00 min  
Lab File: BG035926.D  
Acq: 27 Jul 2018 2:22

Instrument :  
BNA\_G  
ClientSampleId :

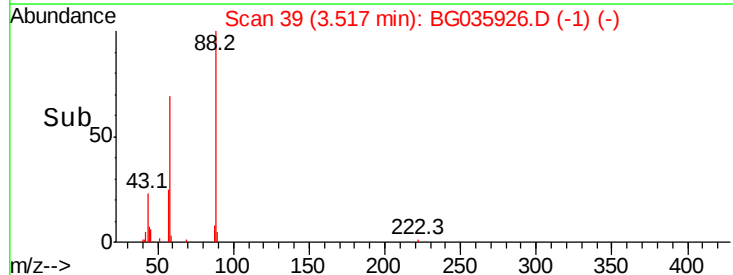
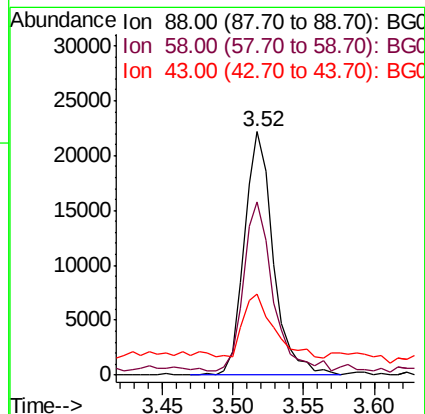
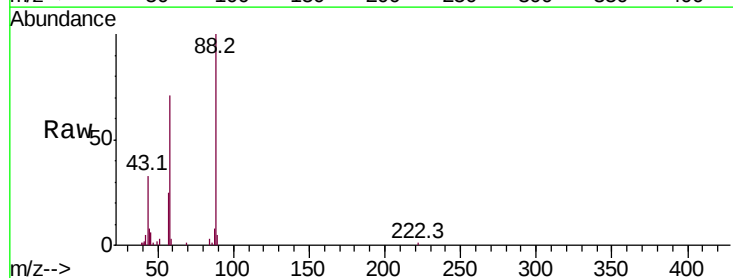
Tot Ion:152 Resp: 33071  
Ion Ratio Lower Upper  
152 100  
150 139.2 126.6 189.8  
115 67.9 53.0 79.4

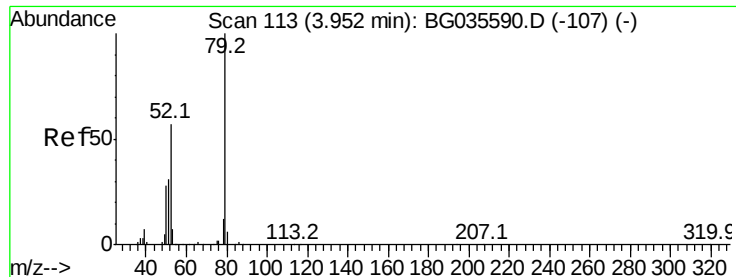


#2

1,4-Dioxane  
Concen: 31.333 ng  
RT: 3.52 min Scan# 39  
Delta R.T. -0.01 min  
Lab File: BG035926.D  
Acq: 27 Jul 2018 2:22

Tgt Ion: 88 Resp: 31766  
Ion Ratio Lower Upper  
88 100  
58 71.1 79.6 119.4#  
43 28.8 27.4 41.0





#3

Pvridine

Concen: 34.363 ng

RT: 3.91 min Scan# 106

Delta R.T. -0.01 min

Lab File: BG035926.D

Acq: 27 Jul 2018 2:22

Instrument :

BNA\_G

ClientSampleId :

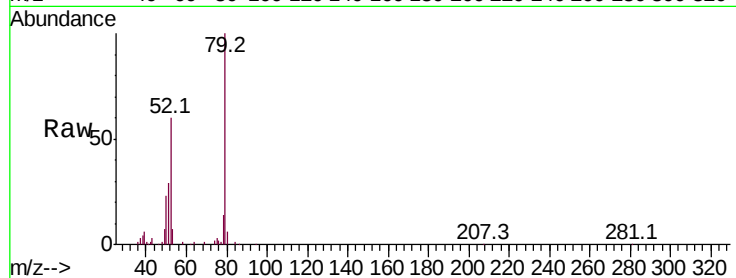
Tot Ion: 79 Resp: 90950

Ion Ratio Lower Upper

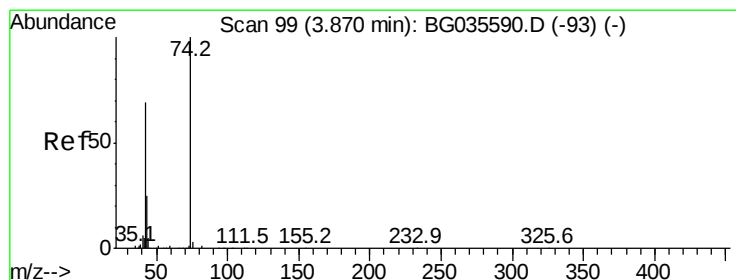
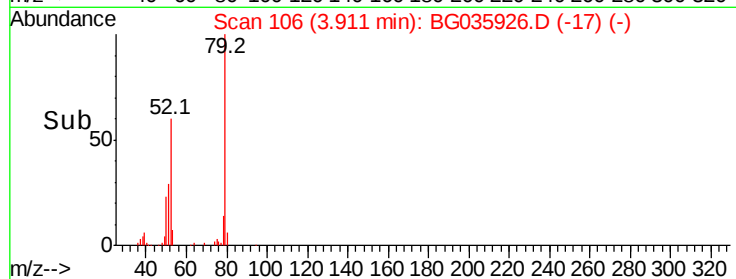
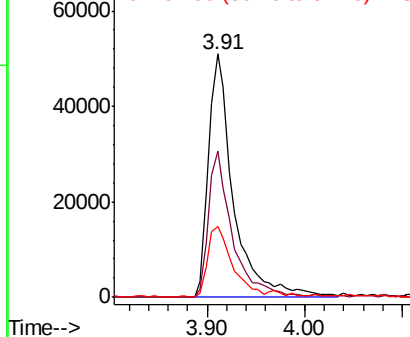
79 100

52 60.1 69.9 104.9#

51 29.1 34.0 51.0#



Abundance Ion 79.00 (78.70 to 79.70): BGC  
Ion 52.00 (51.70 to 52.70): BGC  
Ion 51.00 (50.70 to 51.70): BGC



#4

n-Nitrosodimethylamine

Concen: 32.597 ng

RT: 3.83 min Scan# 92

Delta R.T. -0.01 min

Lab File: BG035926.D

Acq: 27 Jul 2018 2:22

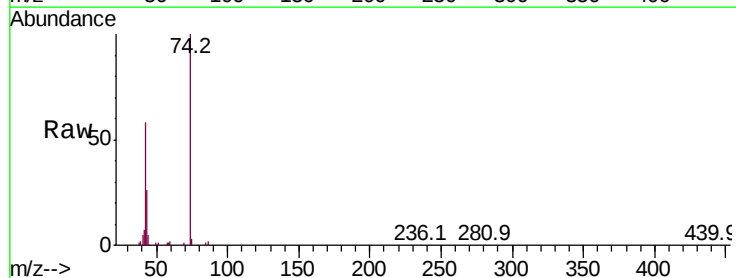
Tgt Ion: 42 Resp: 37044

Ion Ratio Lower Upper

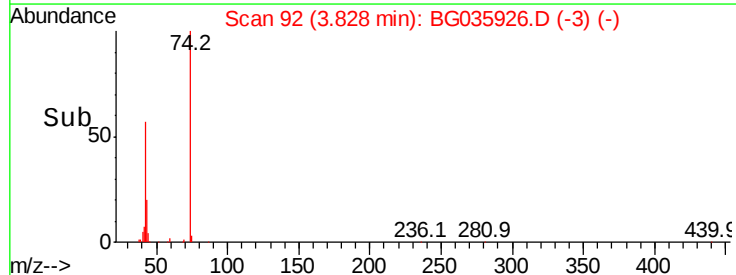
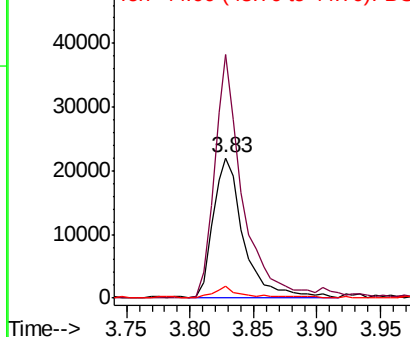
42 100

74 173.4 102.5 153.7#

44 8.7 18.9 28.3#



Abundance Ion 42.00 (41.70 to 42.70): BGC  
Ion 74.00 (73.70 to 74.70): BGC  
Ion 44.00 (43.70 to 44.70): BGC





#5

2-Fluorophenol

Concen: 135.723 ng

RT: 5.61 min Scan# 395

Delta R.T. 0.00 min

Lab File: BG035926.D

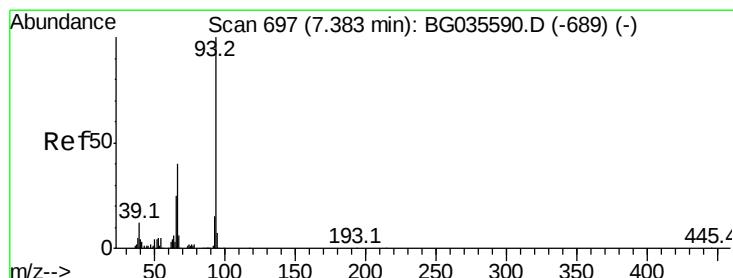
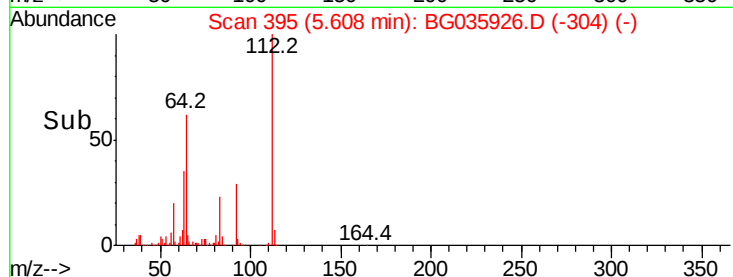
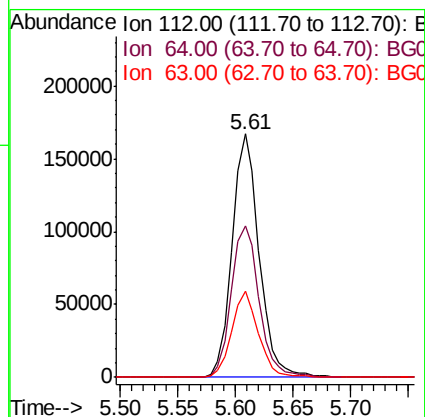
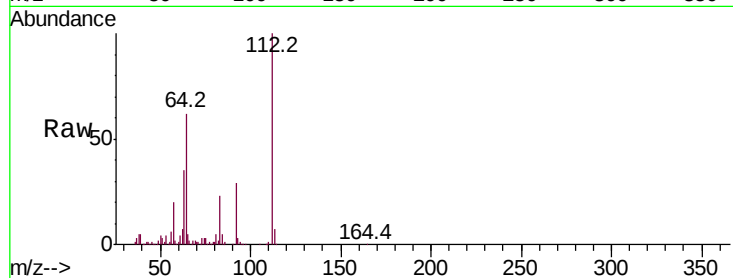
Acq: 27 Jul 2018 2:22

Instrument :

BNA\_G

ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 112   | Resp: | 270353 |
| Ion      | Ratio | Lower | Upper  |
| 112      | 100   |       |        |
| 64       | 62.0  | 56.3  | 84.5   |
| 63       | 35.2  | 30.1  | 45.1   |



#6

Aniline

Concen: 26.939 ng

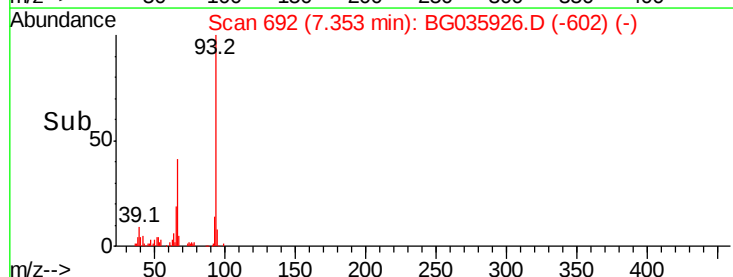
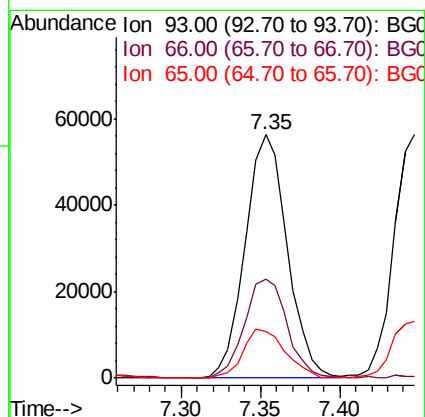
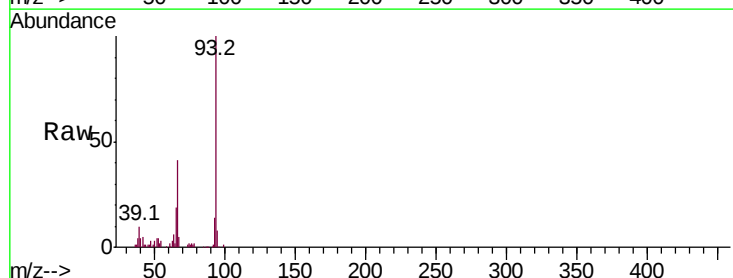
RT: 7.35 min Scan# 692

Delta R.T. -0.00 min

Lab File: BG035926.D

Acq: 27 Jul 2018 2:22

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 93    | Resp: | 103771 |
| Ion      | Ratio | Lower | Upper  |
| 93       | 100   |       |        |
| 66       | 40.9  | 33.7  | 50.5   |
| 65       | 18.9  | 16.1  | 24.1   |





#7

Phenol-d6

Concen: 134.270 ng

RT: 7.20 min Scan# 666

Delta R.T. 0.00 min

Lab File: BG035926.D

Acq: 27 Jul 2018 2:22

Instrument :

BNA\_G

ClientSampled :

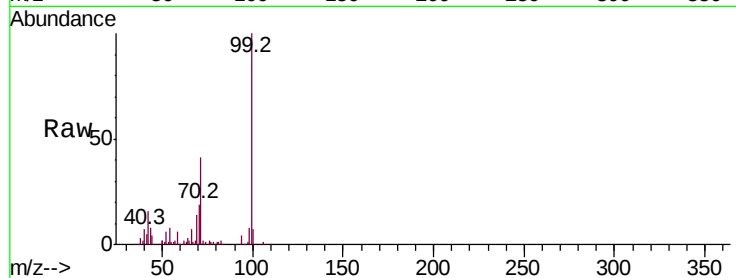
Tot Ion: 99 Resp: 399044

Ion Ratio Lower Upper

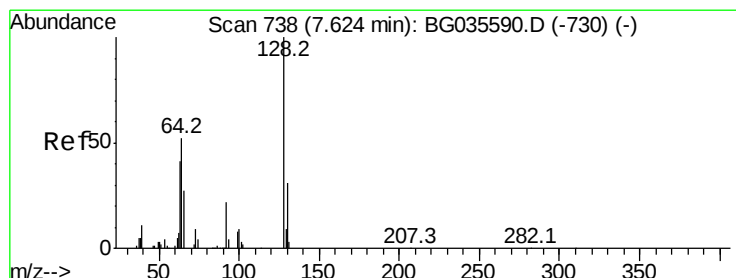
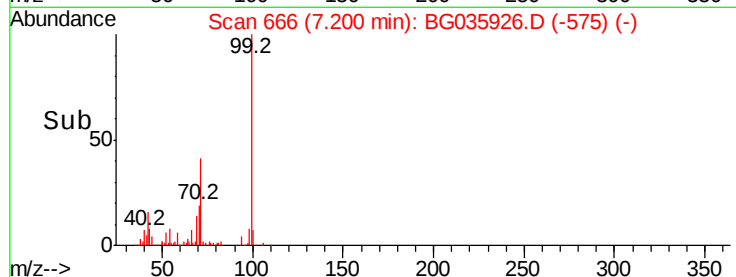
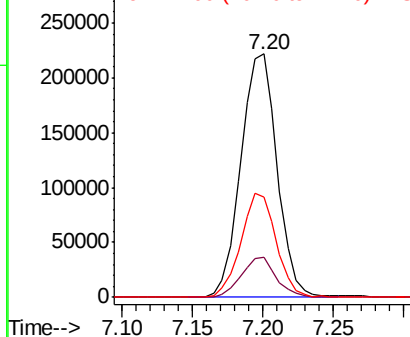
99 100

42 16.5 14.1 21.1

71 41.0 26.1 39.1#



Abundance Ion 99.00 (98.70 to 99.70): BGC  
Ion 42.00 (41.70 to 42.70): BGC  
Ion 71.00 (70.70 to 71.70): BGC



#8

2-Chlorophenol

Concen: 45.436 ng

RT: 7.59 min Scan# 733

Delta R.T. -0.00 min

Lab File: BG035926.D

Acq: 27 Jul 2018 2:22

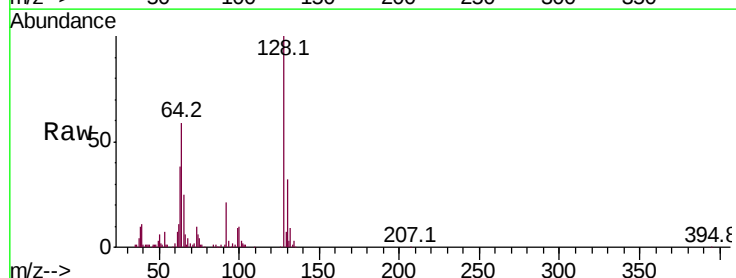
Tgt Ion:128 Resp: 92050

Ion Ratio Lower Upper

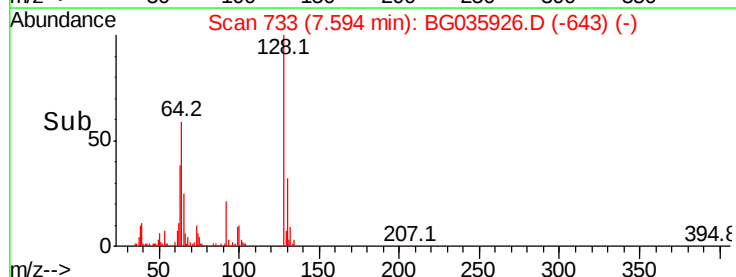
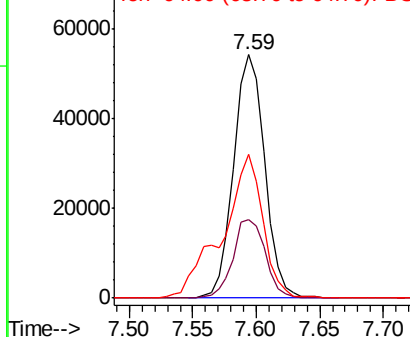
128 100

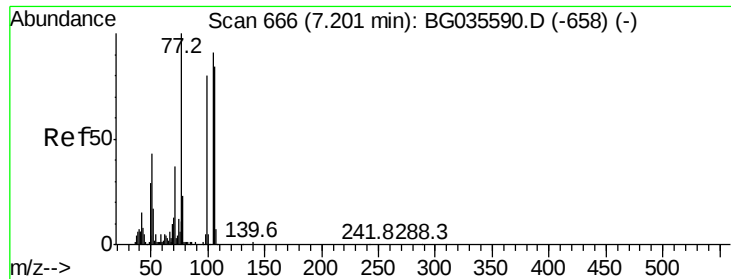
130 32.4 14.0 54.0

64 59.2 37.7 77.7



Abundance Ion 128.00 (127.70 to 128.70): E  
Ion 130.00 (129.70 to 130.70): E  
Ion 64.00 (63.70 to 64.70): BGC





#9

Benzaldehyde

Concen: 34.830 ng

RT: 7.16 min Scan# 660

Delta R.T. -0.00 min

Lab File: BG035926.D

Acq: 27 Jul 2018 2:22

Instrument :

BNA\_G

ClientSampleId :

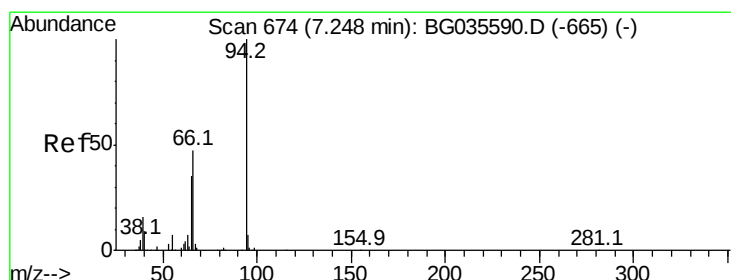
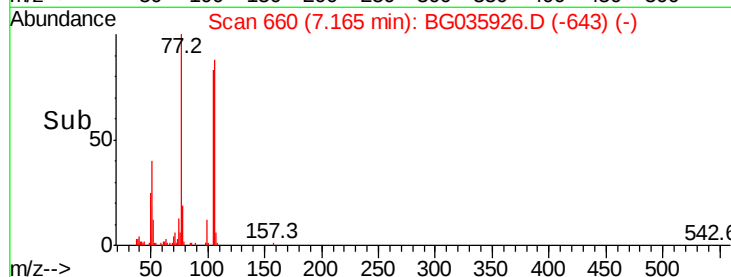
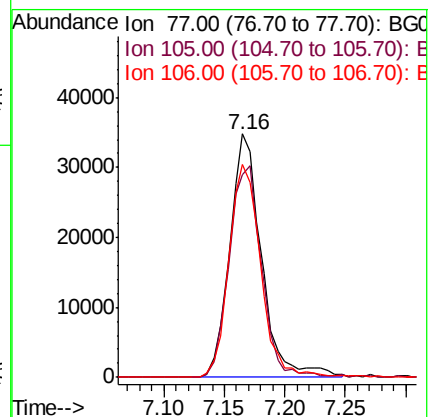
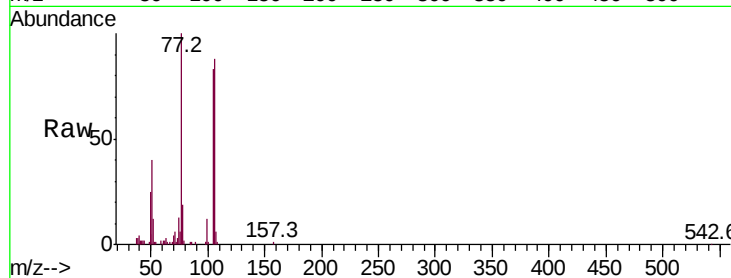
Tot Ion: 77 Resp: 63513

Ion Ratio Lower Upper

77 100

105 83.2 71.3 111.3

106 87.7 64.2 104.2



#10

Phenol

Concen: 46.330 ng

RT: 7.22 min Scan# 670

Delta R.T. 0.00 min

Lab File: BG035926.D

Acq: 27 Jul 2018 2:22

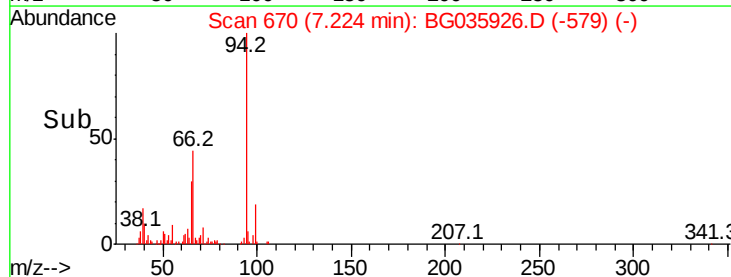
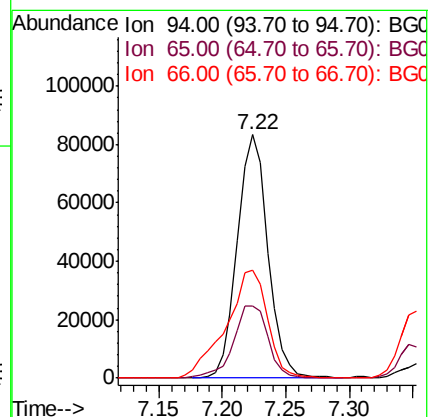
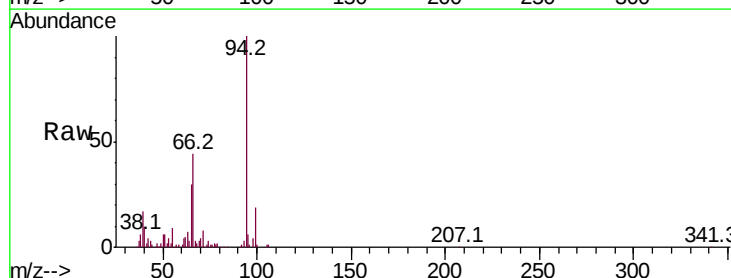
Tgt Ion: 94 Resp: 139108

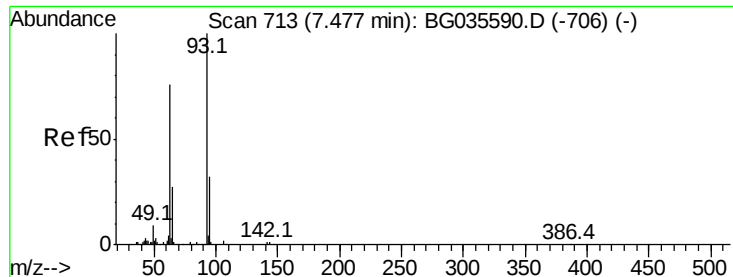
Ion Ratio Lower Upper

94 100

65 29.7 11.9 51.9

66 44.5 22.2 62.2





#11

bis(2-Chloroethyl)ether

Concen: 37.761 ng

RT: 7.45 min Scan# 708

Delta R.T. -0.00 min

Lab File: BG035926.D

Acq: 27 Jul 2018 2:22

Instrument :

BNA\_G

ClientSampleId :

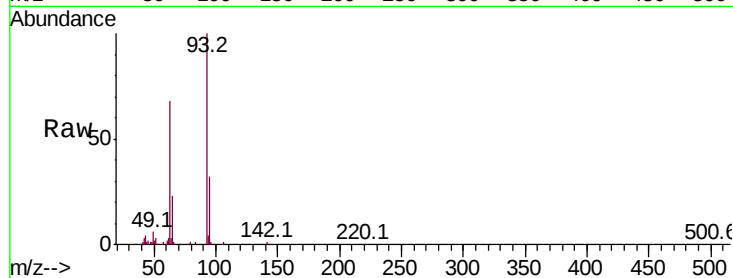
Tot Ion: 93 Resp: 88793

Ion Ratio Lower Upper

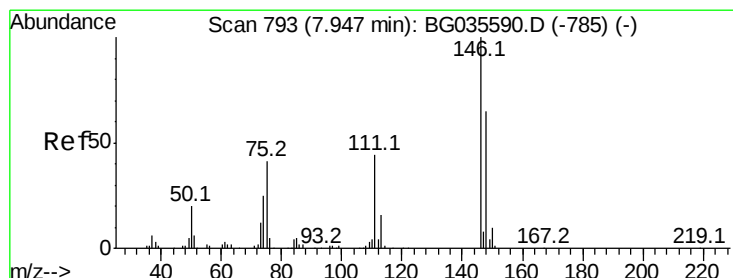
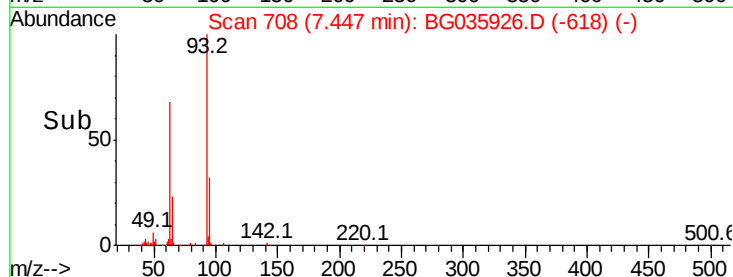
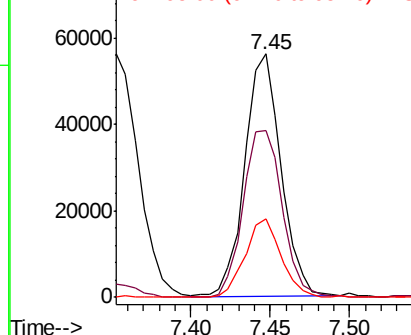
93 100

63 68.4 67.1 107.1

95 32.3 11.5 51.5



Abundance Ion 93.00 (92.70 to 93.70): BGC  
Ion 63.00 (62.70 to 63.70): BGC  
Ion 95.00 (94.70 to 95.70): BGC



#12

1,3-Dichlorobenzene

Concen: 41.078 ng

RT: 7.92 min Scan# 788

Delta R.T. -0.00 min

Lab File: BG035926.D

Acq: 27 Jul 2018 2:22

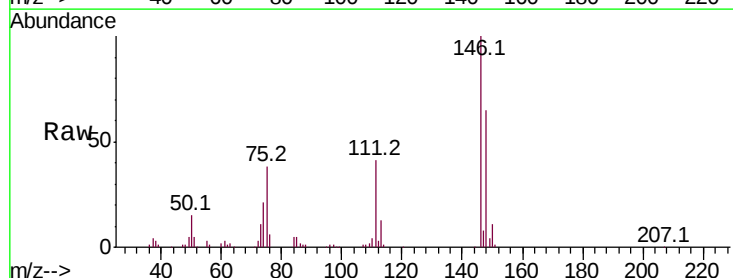
Tgt Ion: 146 Resp: 100498

Ion Ratio Lower Upper

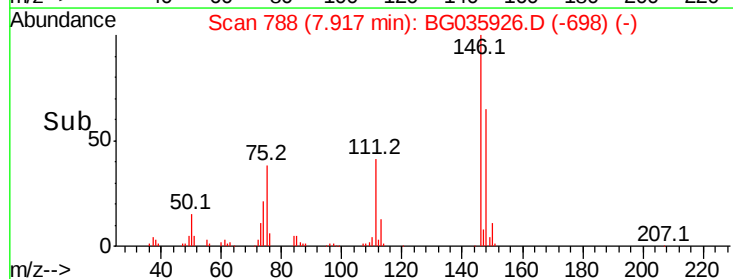
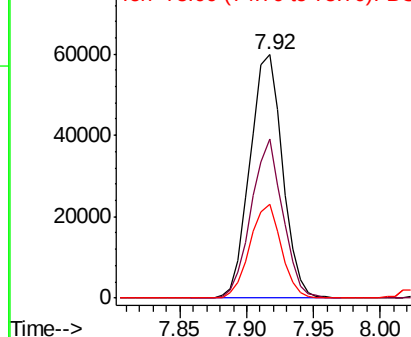
146 100

148 65.2 51.4 77.2

75 38.4 26.6 39.8



Abundance Ion 146.00 (145.70 to 146.70): BGC  
Ion 148.00 (147.70 to 148.70): BGC  
Ion 75.00 (74.70 to 75.70): BGC





#13

1,4-Dichlorobenzene

Concen: 41.410 ng

RT: 8.06 min Scan# 812

Delta R.T. -0.01 min

Lab File: BG035926.D

Acq: 27 Jul 2018 2:22

Instrument :

BNA\_G

ClientSampleId :

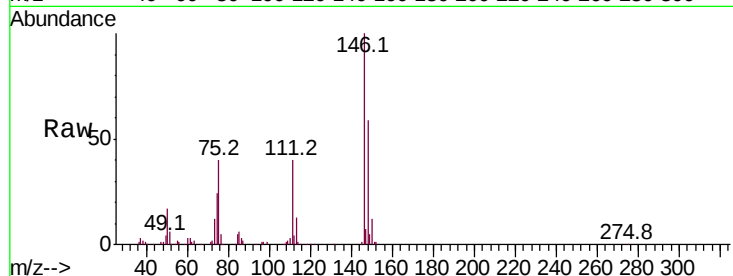
Tot Ion:146 Resp: 102934

Ion Ratio Lower Upper

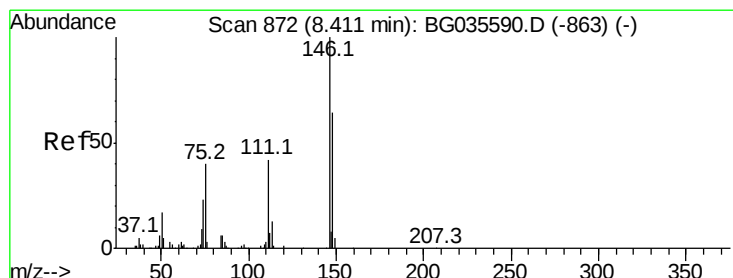
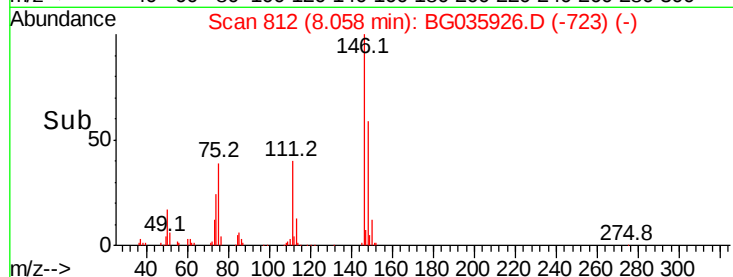
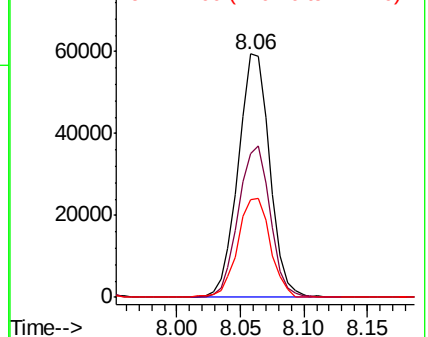
146 100

148 59.0 53.7 80.5

111 40.4 35.2 52.8



Abundance Ion 146.00 (145.70 to 146.70): E  
Ion 148.00 (147.70 to 148.70): E  
Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 40.403 ng

RT: 8.38 min Scan# 867

Delta R.T. -0.00 min

Lab File: BG035926.D

Acq: 27 Jul 2018 2:22

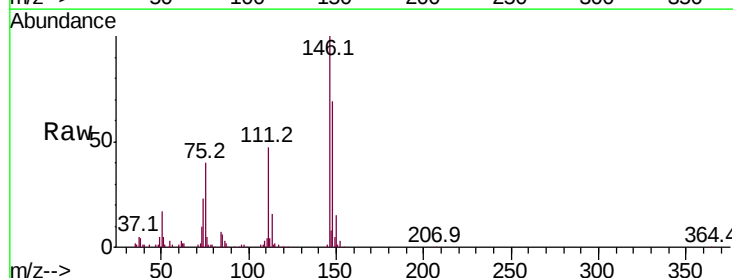
Tgt Ion:146 Resp: 96482

Ion Ratio Lower Upper

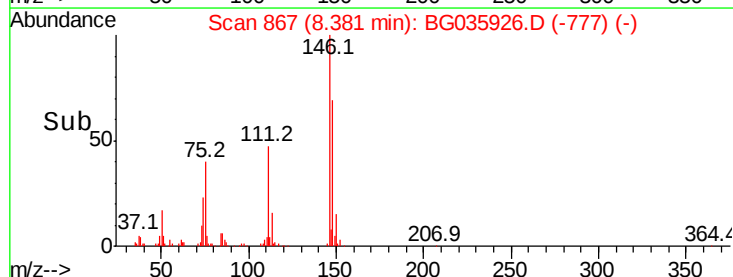
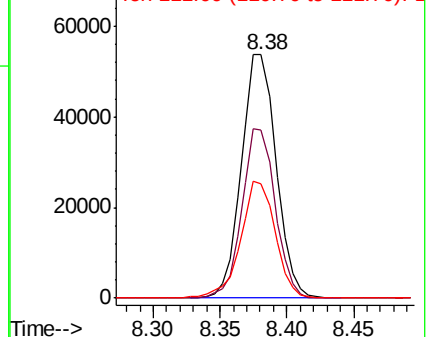
146 100

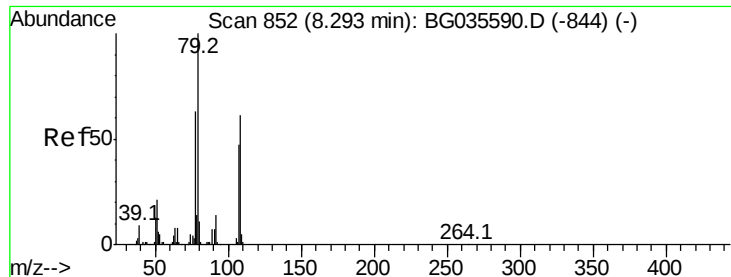
148 68.8 49.3 73.9

111 46.9 34.3 51.5



Abundance Ion 146.00 (145.70 to 146.70): E  
Ion 148.00 (147.70 to 148.70): E  
Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 39.081 ng

RT: 8.26 min Scan# 847

Delta R.T. -0.00 min

Lab File: BG035926.D

Acq: 27 Jul 2018 2:22

Instrument :

BNA\_G

ClientSampleId :

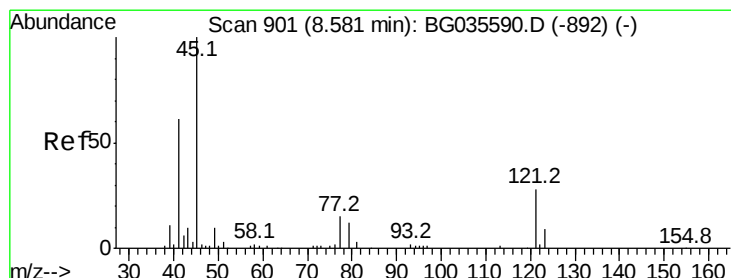
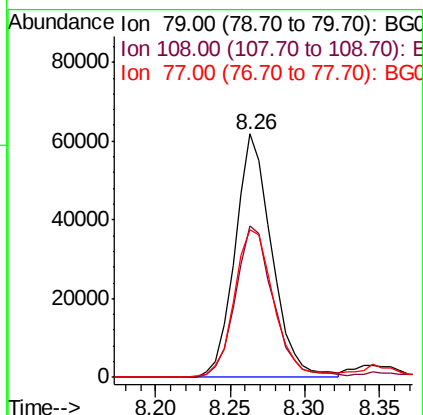
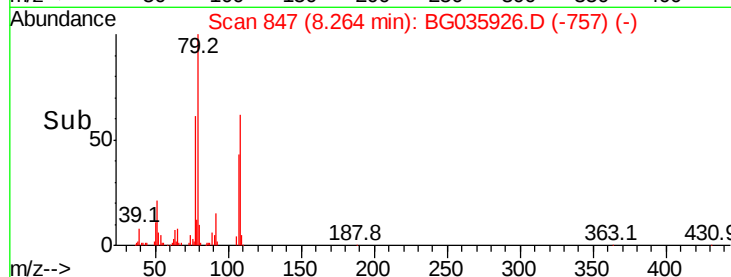
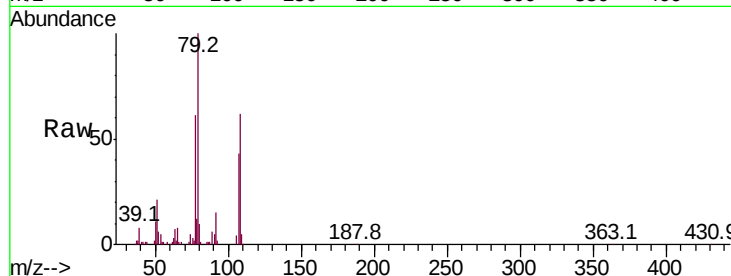
Tot Ion: 79 Resp: 105474

Ion Ratio Lower Upper

79 100

108 62.3 57.2 85.8

77 60.6 46.1 69.1



#16

2,2'-oxybis(1-Chloropropane)

Concen: 50.264 ng

RT: 8.55 min Scan# 895

Delta R.T. -0.01 min

Lab File: BG035926.D

Acq: 27 Jul 2018 2:22

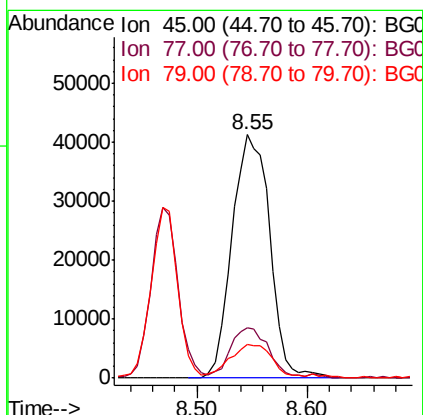
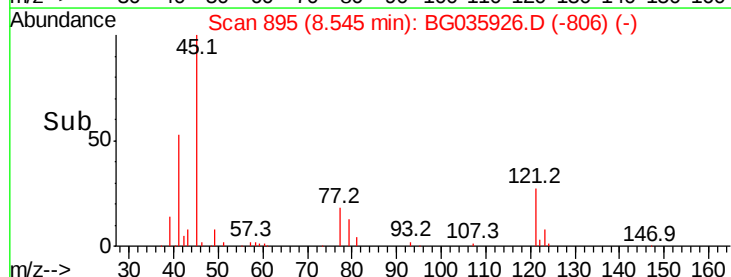
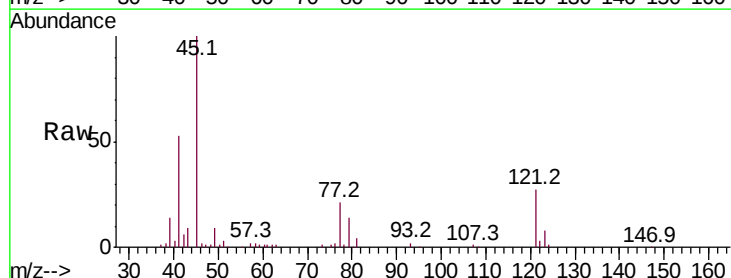
Tgt Ion: 45 Resp: 99089

Ion Ratio Lower Upper

45 100

77 20.7 0.0 30.2

79 13.8 0.0 27.9





#17

2-Methylphenol

Concen: 45.707 ng

RT: 8.47 min Scan# 882

Delta R.T. -0.00 min

Lab File: BG035926.D

Acq: 27 Jul 2018 2:22

Instrument :

BNA\_G

ClientSampleId :

Tot Ion:107 Resp: 93309

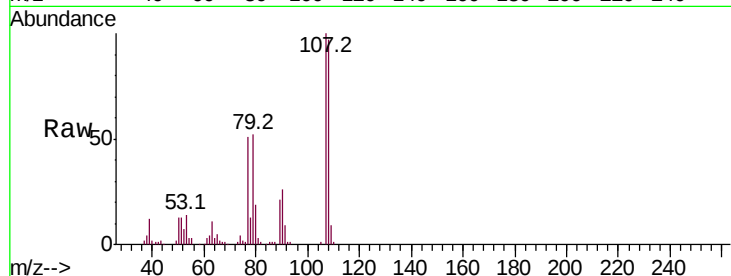
Ion Ratio Lower Upper

107 100

108 97.3 83.9 125.9

77 51.3 37.2 55.8

79 51.5 36.2 54.2

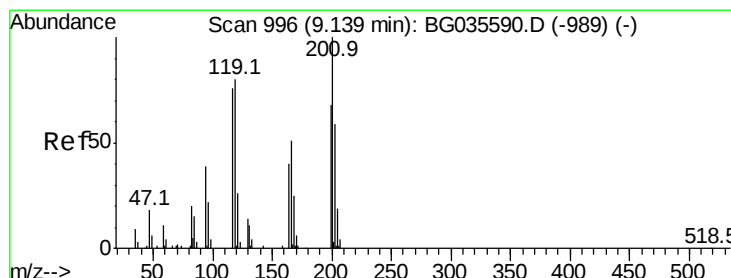
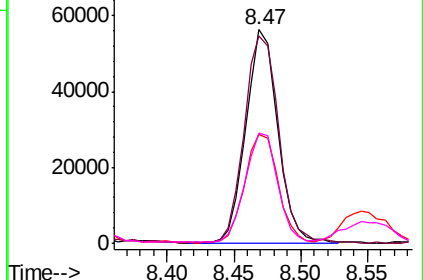
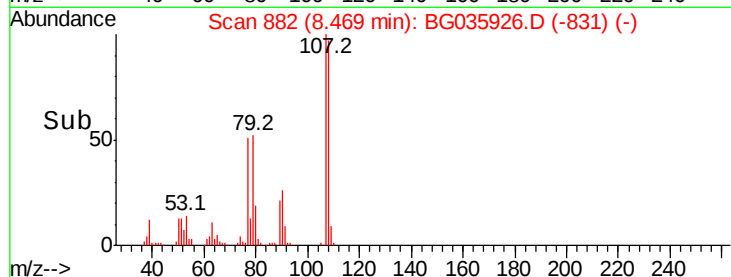


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BG

Ion 79.00 (78.70 to 79.70): BG



#18

Hexachloroethane

Concen: 40.201 ng

RT: 9.10 min Scan# 990

Delta R.T. -0.00 min

Lab File: BG035926.D

Acq: 27 Jul 2018 2:22

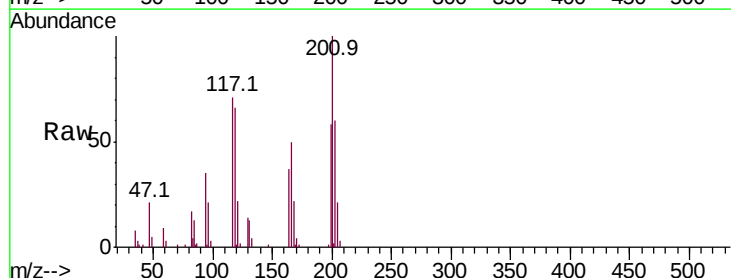
Tgt Ion:117 Resp: 38208

Ion Ratio Lower Upper

117 100

119 92.1 76.7 115.1

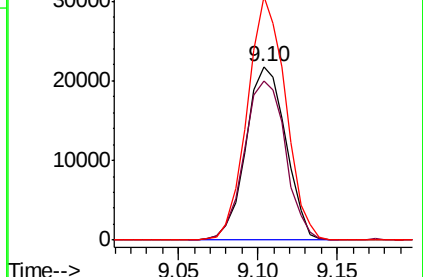
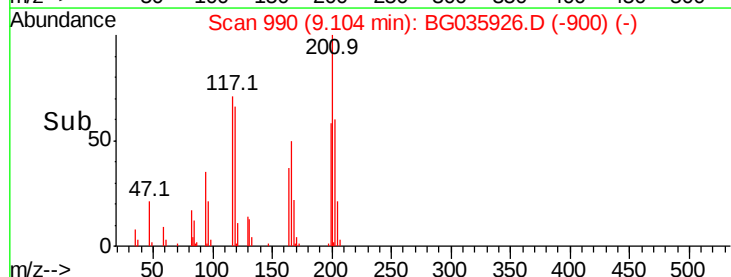
201 140.4 95.7 143.5

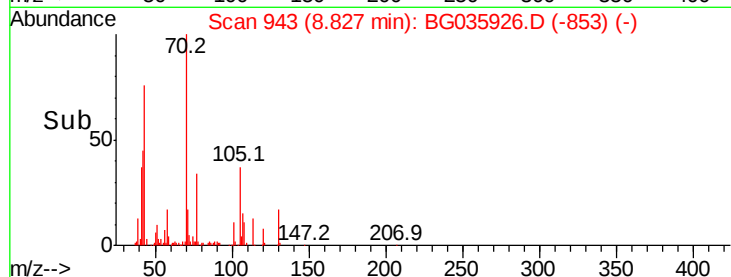
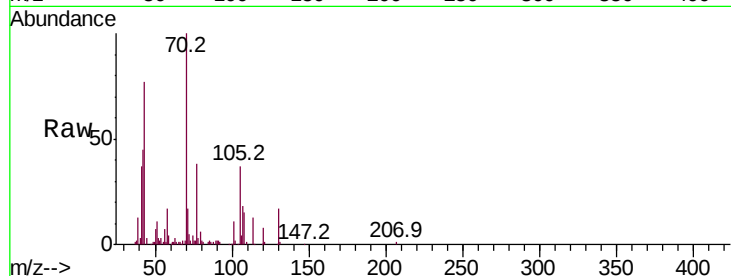
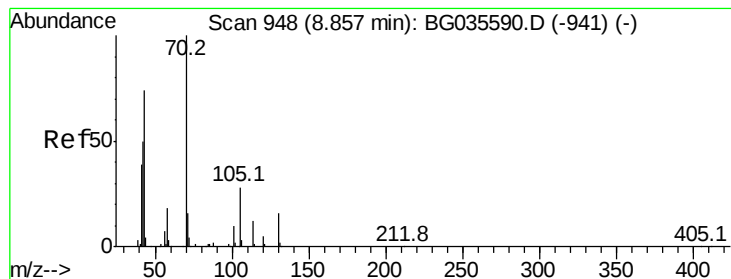


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





#19

n-Nitroso-di-n-propylamine

Concen: 34.486 ng

RT: 8.83 min Scan# 943

Delta R.T. -0.00 min

Lab File: BG035926.D

Acq: 27 Jul 2018 2:22

Instrument :

BNA\_G

ClientSampleId :

Tot Ion: 70 Resp: 86305

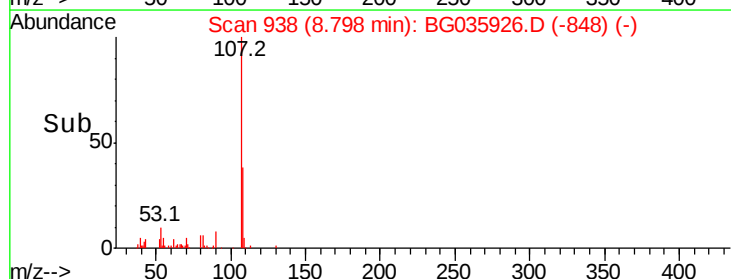
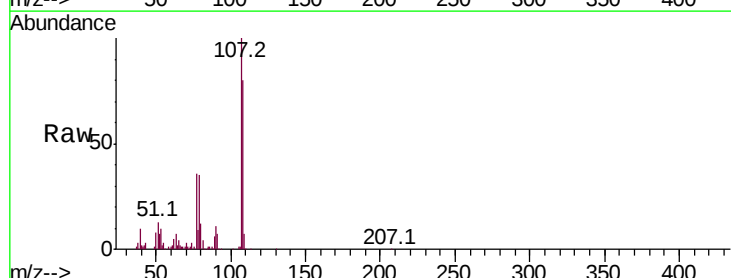
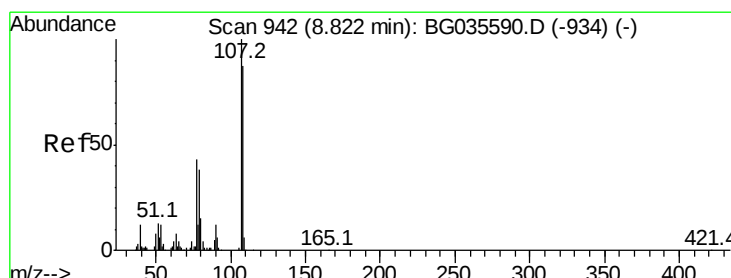
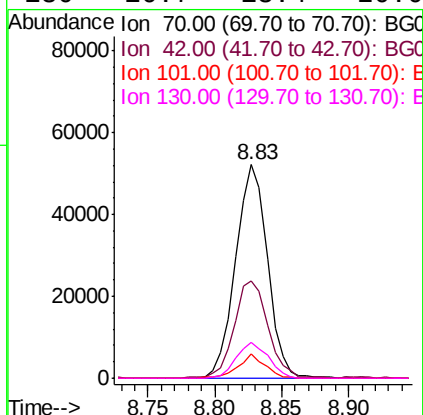
Ion Ratio Lower Upper

70 100

42 45.5 49.1 73.7#

101 11.3 8.5 12.7

130 16.7 13.4 20.0



#20

3+4-Methylphenols

Concen: 45.278 ng

RT: 8.80 min Scan# 938

Delta R.T. -0.00 min

Lab File: BG035926.D

Acq: 27 Jul 2018 2:22

Tgt Ion: 107 Resp: 128229

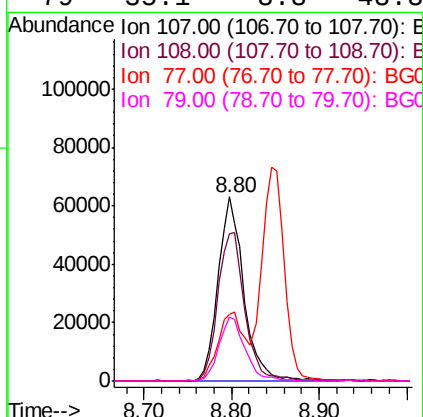
Ion Ratio Lower Upper

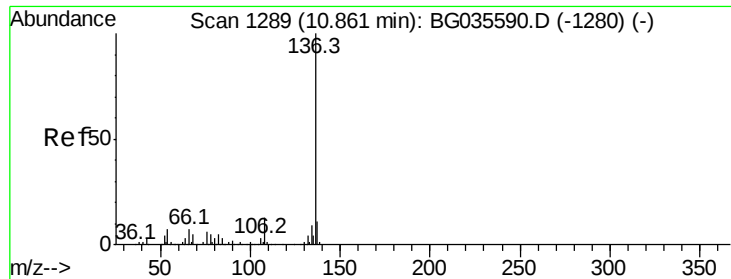
107 100

108 80.2 61.6 101.6

77 36.3 13.9 53.9

79 35.1 8.8 48.8





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.83 min Scan# 1284

Delta R.T. -0.00 min

Lab File: BG035926.D

Acq: 27 Jul 2018 2:22

Instrument :

BNA\_G

ClientSampleId :

Tot Ion:136 Resp: 132651

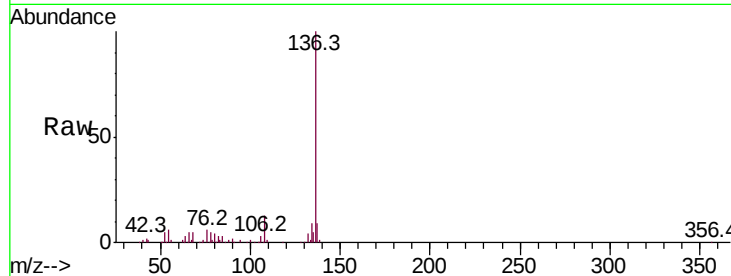
Ion Ratio Lower Upper

136 100

137 9.2 9.2 13.8

54 6.4 10.3 15.5#

68 5.2 4.5 6.7



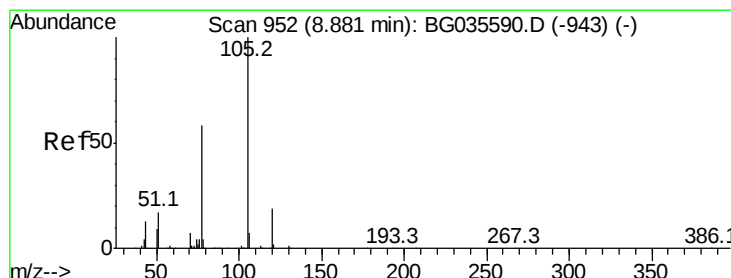
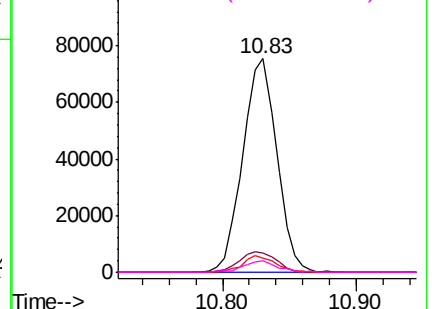
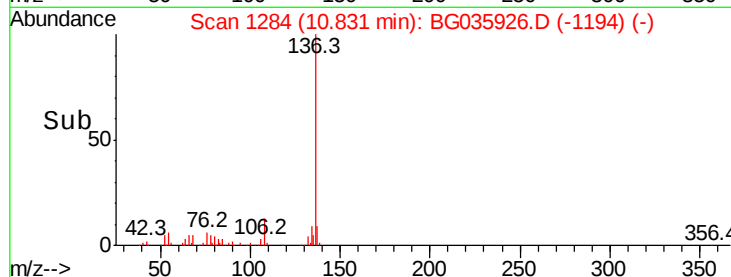
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#22

Acetophenone

Concen: 38.098 ng

RT: 8.85 min Scan# 946

Delta R.T. -0.00 min

Lab File: BG035926.D

Acq: 27 Jul 2018 2:22

Tgt Ion:105 Resp: 157157

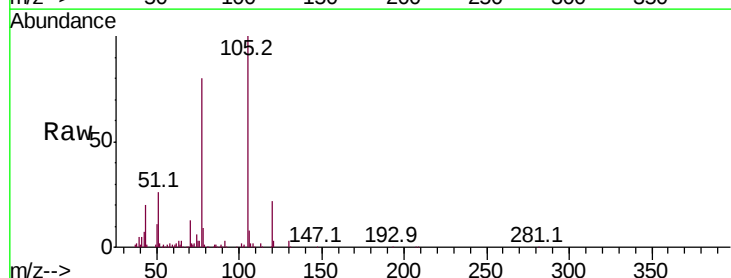
Ion Ratio Lower Upper

105 100

71 2.2 3.0 4.4#

51 25.7 26.1 39.1#

120 21.9 17.4 26.2



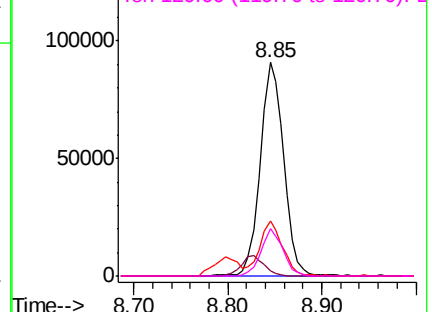
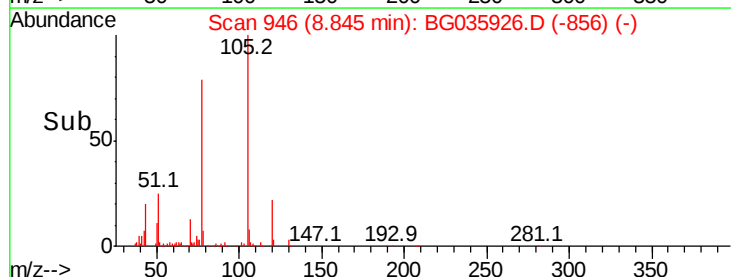
Abundance

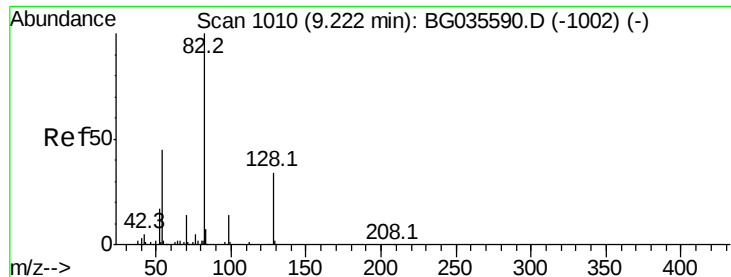
Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BGC

Ion 51.00 (50.70 to 51.70): BGC

Ion 120.00 (119.70 to 120.70): E

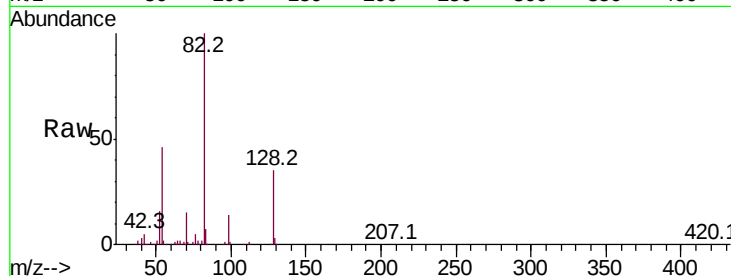




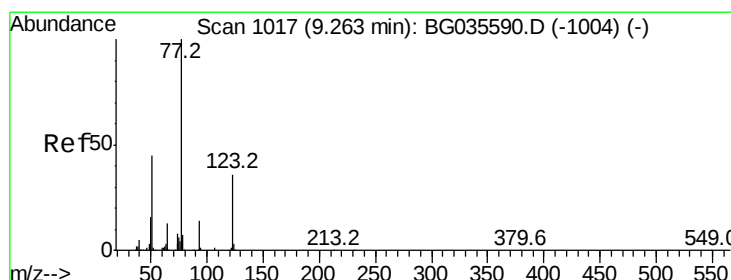
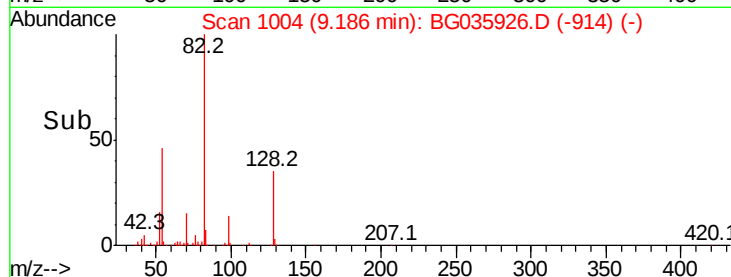
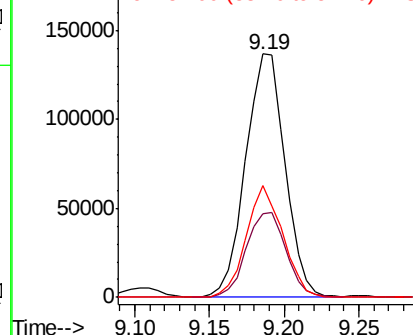
#23  
 Nitrobenzene-d5  
 Concen: 78.547 ng  
 RT: 9.19 min Scan# 1004  
 Delta R.T. -0.00 min  
 Lab File: BG035926.D  
 Acq: 27 Jul 2018 2:22

Instrument :  
 BNA\_G  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 34.5  | 29.7  | 44.5  |
| 54      | 45.7  | 43.1  | 64.7  |

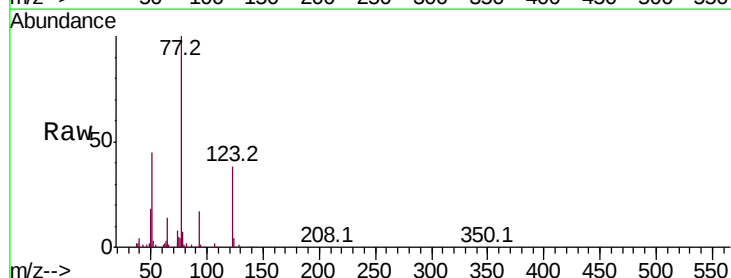


Abundance Ion 82.00 (81.70 to 82.70): BGC  
 Ion 128.00 (127.70 to 128.70): BGC  
 Ion 54.00 (53.70 to 54.70): BGC

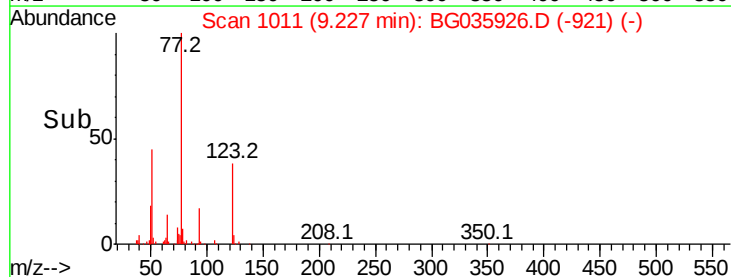
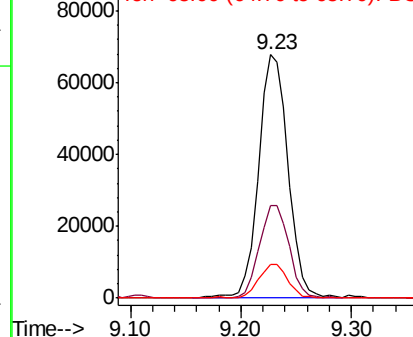


#24  
 Nitrobenzene  
 Concen: 39.675 ng  
 RT: 9.23 min Scan# 1011  
 Delta R.T. -0.00 min  
 Lab File: BG035926.D  
 Acq: 27 Jul 2018 2:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 123     | 37.9  | 33.0  | 49.6  |
| 65      | 14.0  | 13.0  | 19.6  |



Abundance Ion 77.00 (76.70 to 77.70): BGC  
 Ion 123.00 (122.70 to 123.70): BGC  
 Ion 65.00 (64.70 to 65.70): BGC





#25

Isophorone

Concen: 41.389 ng

RT: 9.75 min Scan# 1100

Delta R.T. -0.00 min

Lab File: BG035926.D

Acq: 27 Jul 2018 2:22

Instrument :

BNA\_G

ClientSampleId :

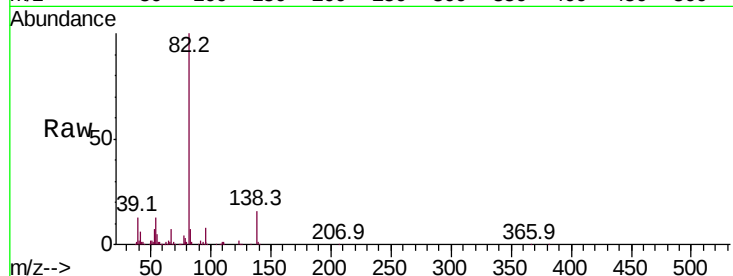
Tot Ion: 82 Resp: 243969

Ion Ratio Lower Upper

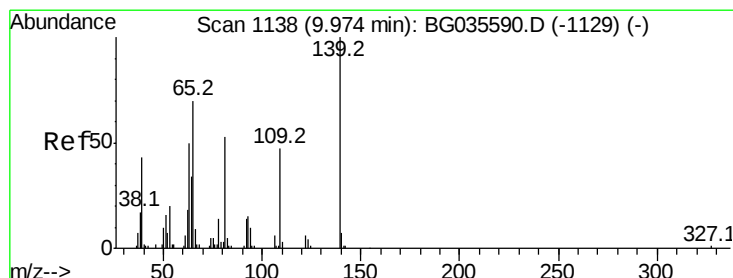
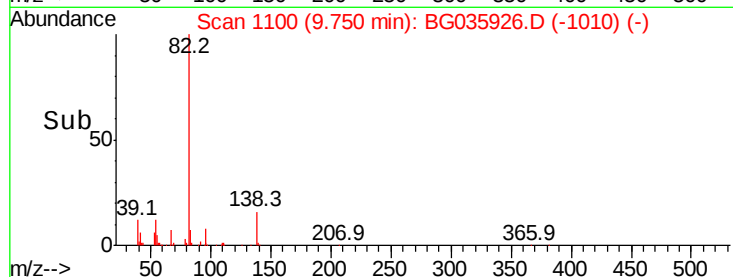
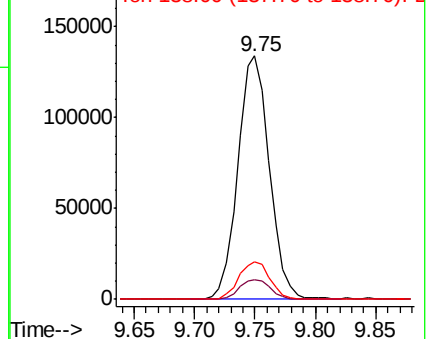
82 100

95 8.1 6.2 9.2

138 15.7 12.1 18.1



Abundance Ion 82.00 (81.70 to 82.70): BGC  
Ion 95.00 (94.70 to 95.70): BGC  
Ion 138.00 (137.70 to 138.70): BGC



#26

2-Nitrophenol

Concen: 47.749 ng

RT: 9.94 min Scan# 1132

Delta R.T. -0.01 min

Lab File: BG035926.D

Acq: 27 Jul 2018 2:22

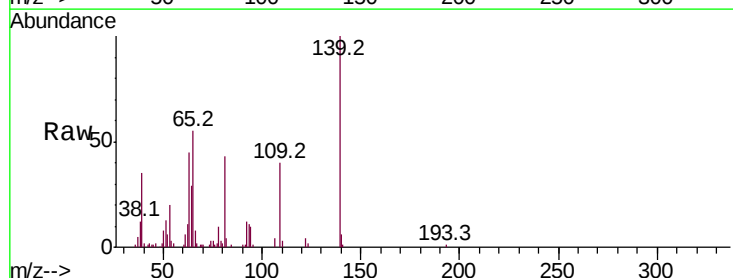
Tgt Ion: 139 Resp: 54155

Ion Ratio Lower Upper

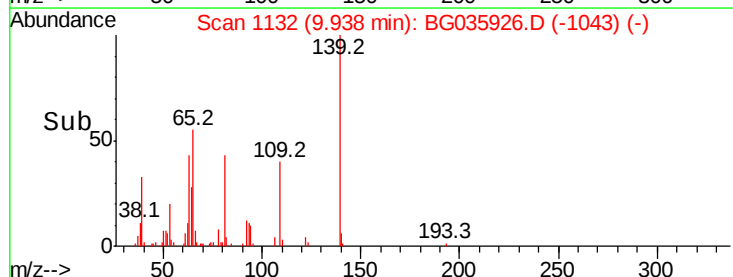
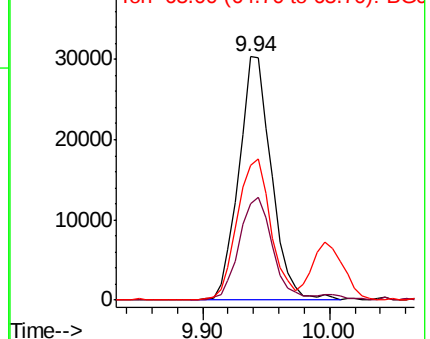
139 100

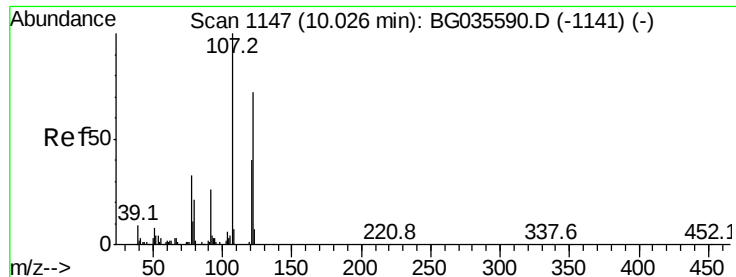
109 39.8 24.2 36.2#

65 55.3 47.4 71.0



Abundance Ion 139.00 (138.70 to 139.70): BGC  
Ion 109.00 (108.70 to 109.70): BGC  
Ion 65.00 (64.70 to 65.70): BGC

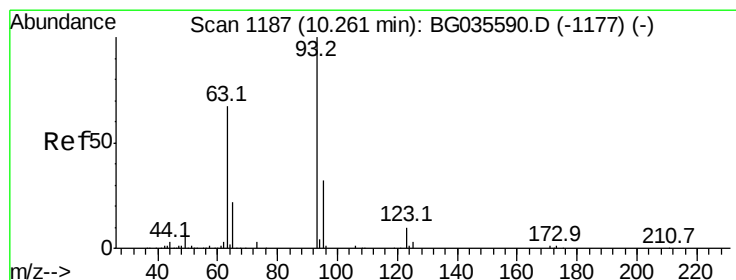
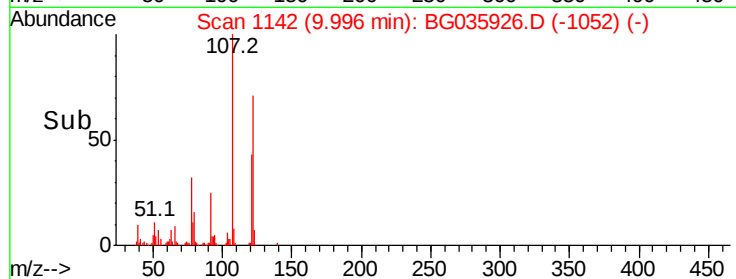
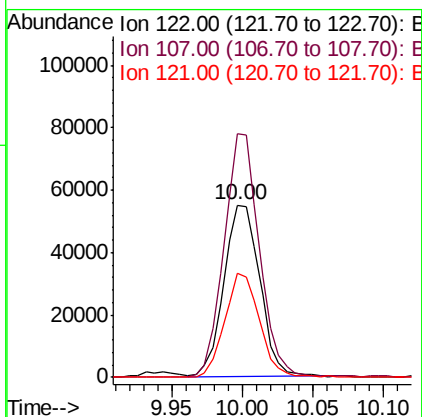
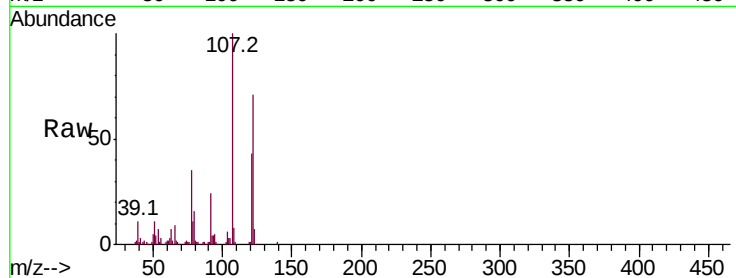




#27  
2,4-Dimethylphenol  
Concen: 50.871 ng  
RT: 10.00 min Scan# 1142  
Delta R.T. -0.00 min  
Lab File: BG035926.D  
Acq: 27 Jul 2018 2:22

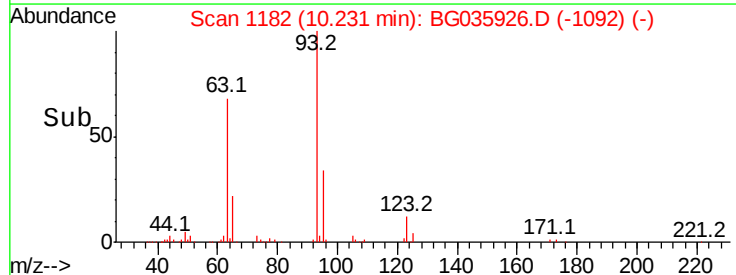
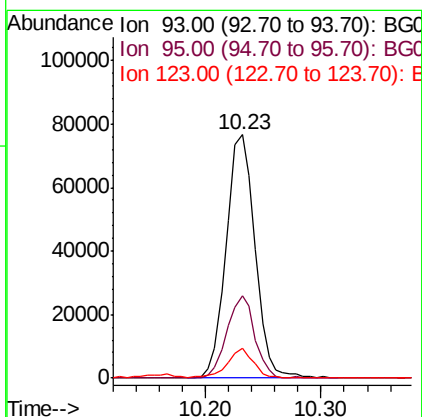
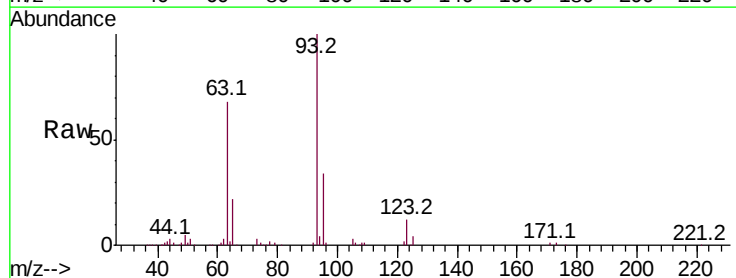
Instrument :  
BNA\_G  
ClientSampleId :

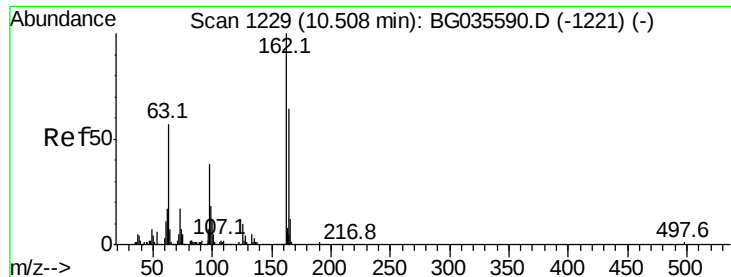
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 107     | 141.1 | 100.2 | 150.2 |
| 121     | 60.5  | 44.4  | 66.6  |



#28  
bis(2-Chloroethoxy)methane  
Concen: 40.825 ng  
RT: 10.23 min Scan# 1182  
Delta R.T. -0.00 min  
Lab File: BG035926.D  
Acq: 27 Jul 2018 2:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 33.7  | 24.3  | 36.5  |
| 123     | 12.2  | 8.4   | 12.6  |





#29

2,4-Dichlorophenol

Concen: 49.209 ng

RT: 10.48 min Scan# 1224

Delta R.T. -0.00 min

Lab File: BG035926.D

Acq: 27 Jul 2018 2:22

Instrument :

BNA\_G

ClientSampleId :

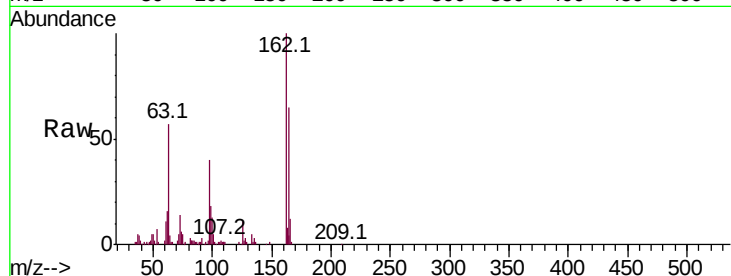
Tot Ion:162 Resp: 107842

Ion Ratio Lower Upper

162 100

164 64.6 48.0 88.0

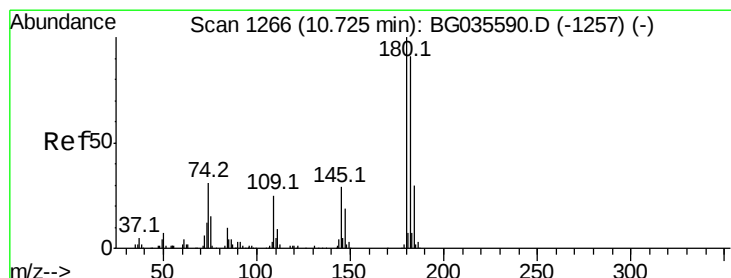
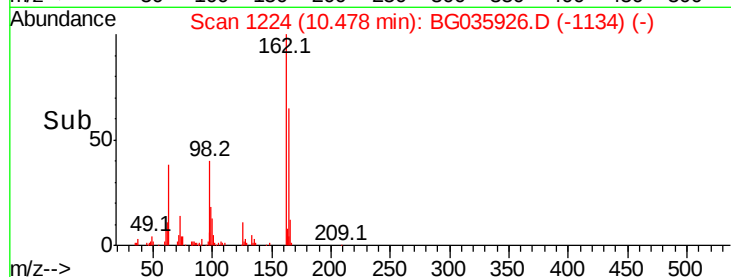
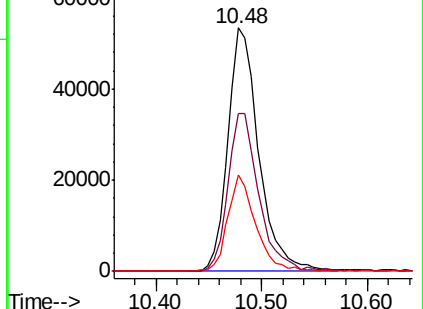
98 39.6 21.1 61.1



Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BGC



#30

1,2,4-Trichlorobenzene

Concen: 42.606 ng

RT: 10.69 min Scan# 1260

Delta R.T. -0.00 min

Lab File: BG035926.D

Acq: 27 Jul 2018 2:22

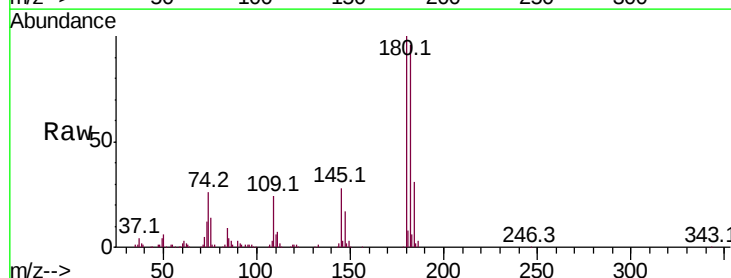
Tgt Ion:180 Resp: 114494

Ion Ratio Lower Upper

180 100

182 96.3 77.5 116.3

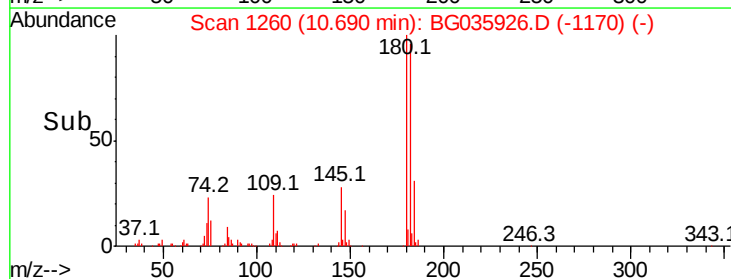
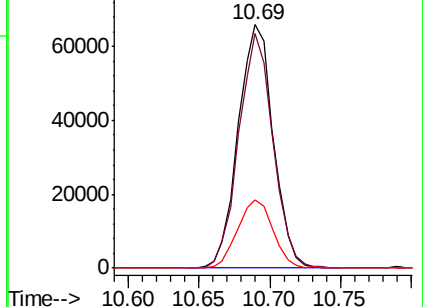
145 27.8 23.4 35.2



Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E

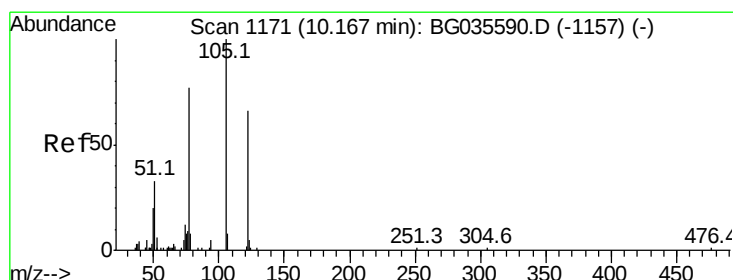
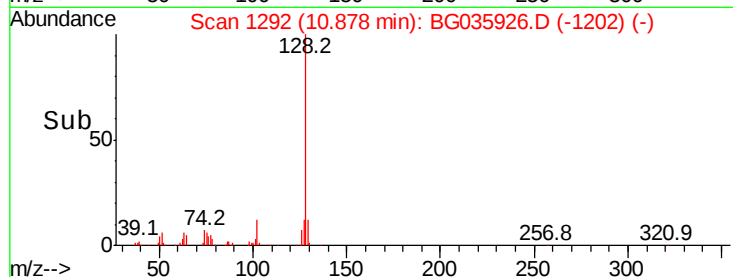
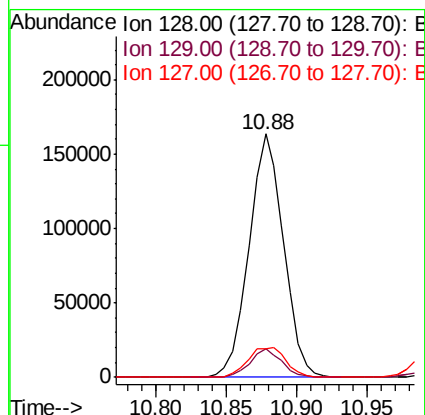
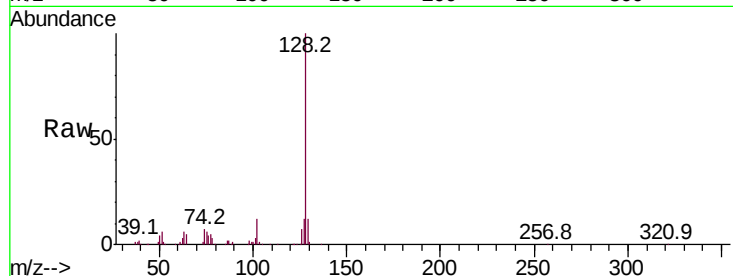




#31  
Naphthalene  
Concen: 40.466 ng  
RT: 10.88 min Scan# 1292  
Delta R.T. -0.00 min  
Lab File: BG035926.D  
Acq: 27 Jul 2018 2:22

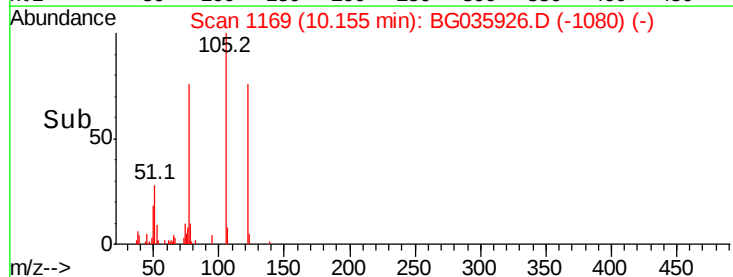
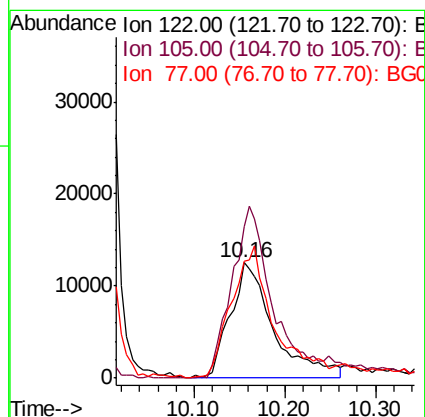
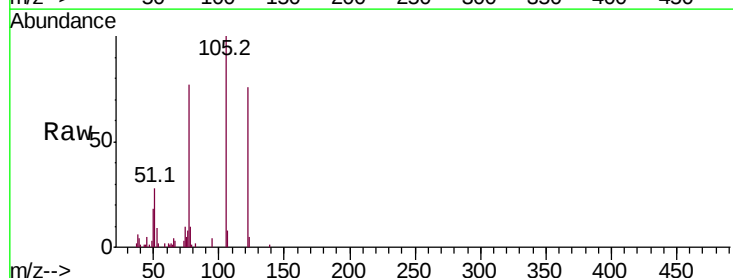
Instrument :  
BNA\_G  
ClientSampled :

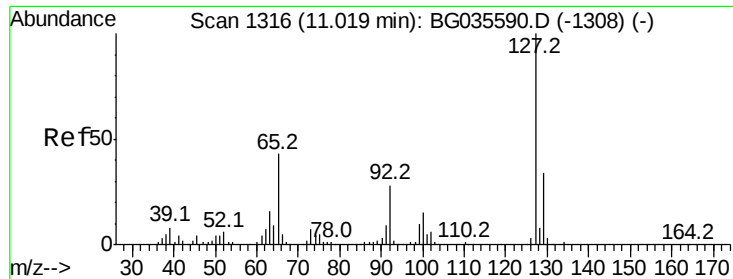
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 11.5  | 8.6   | 12.8  |
| 127     | 12.0  | 11.6  | 17.4  |



#32  
Benzoic acid  
Concen: 32.340 ng  
RT: 10.16 min Scan# 1169  
Delta R.T. -0.01 min  
Lab File: BG035926.D  
Acq: 27 Jul 2018 2:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 105     | 131.0 | 123.5 | 163.5 |
| 77      | 101.4 | 85.7  | 125.7 |

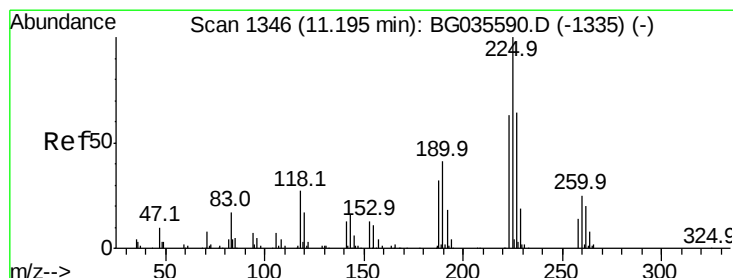
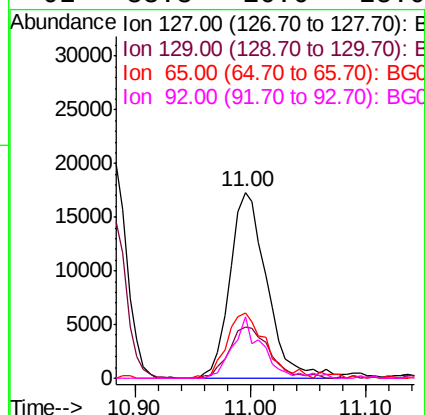
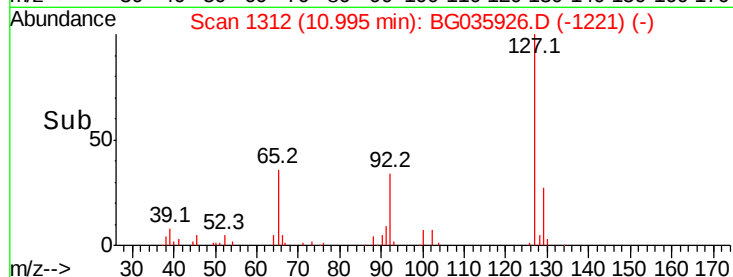
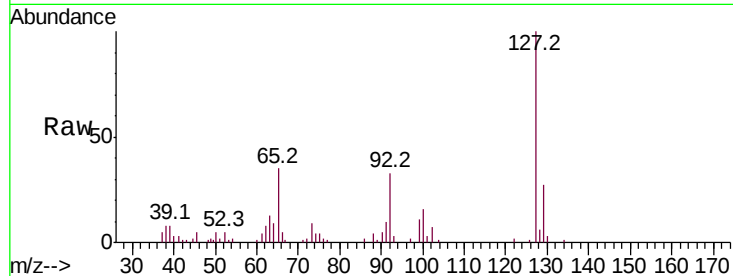




#33  
4-Chloroaniline  
Concen: 12.758 ng  
RT: 11.00 min Scan# 1312  
Delta R.T. 0.00 min  
Lab File: BG035926.D  
Acq: 27 Jul 2018 2:22

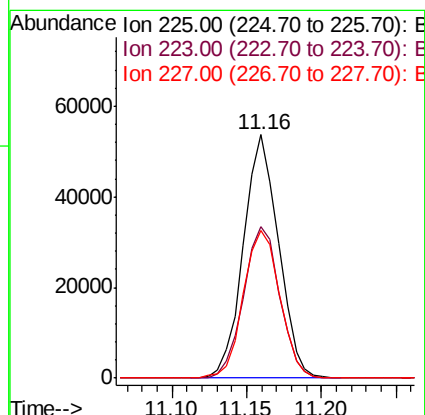
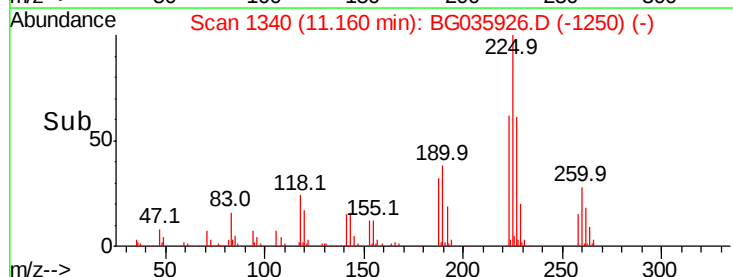
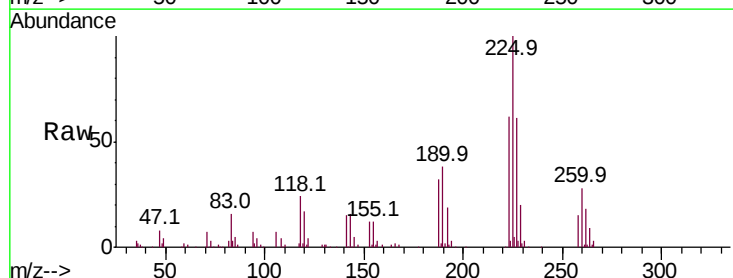
Instrument :  
BNA\_G  
ClientSampleId :

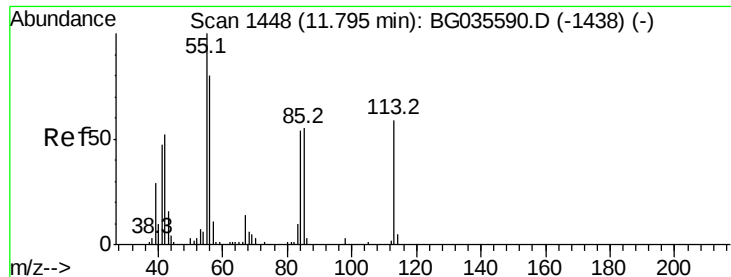
Tot Ion:127 Resp: 38422  
Ion Ratio Lower Upper  
127 100  
129 27.5 24.0 36.0  
65 35.4 27.0 40.4  
92 33.3 16.6 25.0#



#34  
Hexachlorobutadiene  
Concen: 41.639 ng  
RT: 11.16 min Scan# 1340  
Delta R.T. -0.00 min  
Lab File: BG035926.D  
Acq: 27 Jul 2018 2:22

Tgt Ion:225 Resp: 87255  
Ion Ratio Lower Upper  
225 100  
223 62.5 49.7 74.5  
227 60.8 48.1 72.1





#35

Caprolactam

Concen: 22.238 ng

RT: 11.76 min Scan# 1443

Delta R.T. -0.01 min

Lab File: BG035926.D

Acq: 27 Jul 2018 2:22

Instrument :

BNA\_G

ClientSampleId :

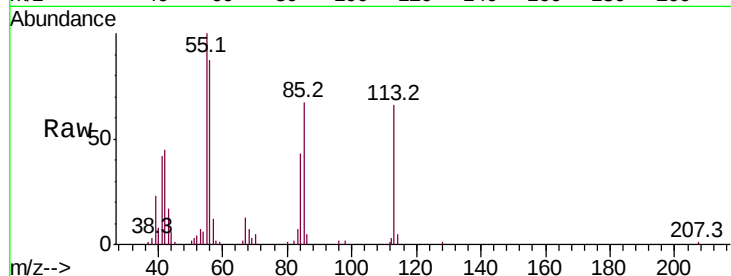
Tot Ion:113 Resp: 20914

Ion Ratio Lower Upper

113 100

55 151.0 186.9 226.9#

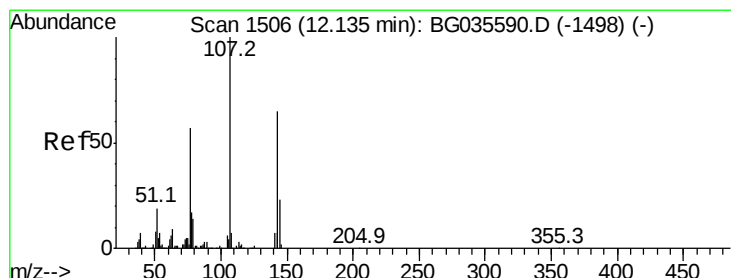
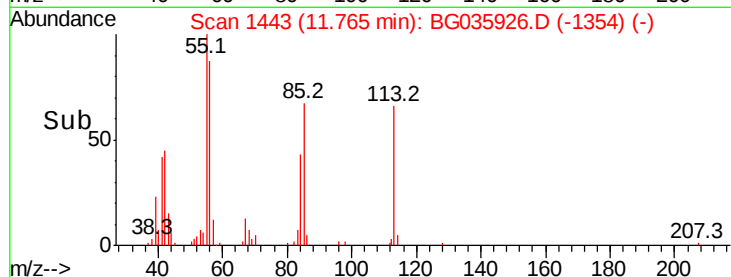
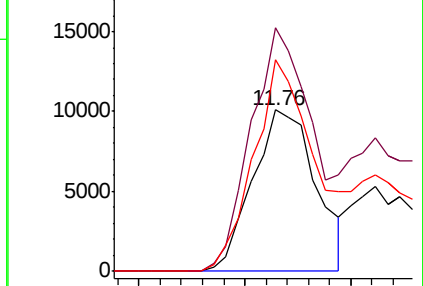
56 131.3 130.9 170.9



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BG0

Ion 56.00 (55.70 to 56.70): BG0



#36

4-Chloro-3-methylphenol

Concen: 45.600 ng

RT: 12.11 min Scan# 1502

Delta R.T. -0.00 min

Lab File: BG035926.D

Acq: 27 Jul 2018 2:22

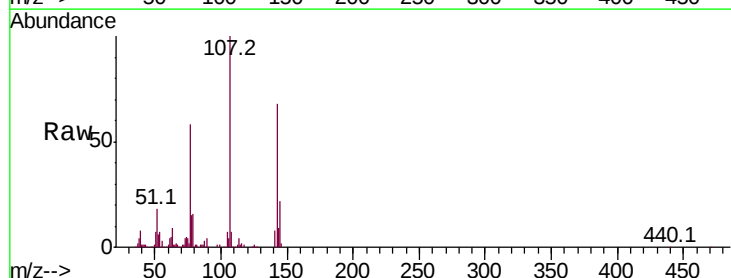
Tgt Ion:107 Resp: 133950

Ion Ratio Lower Upper

107 100

144 22.3 18.2 27.4

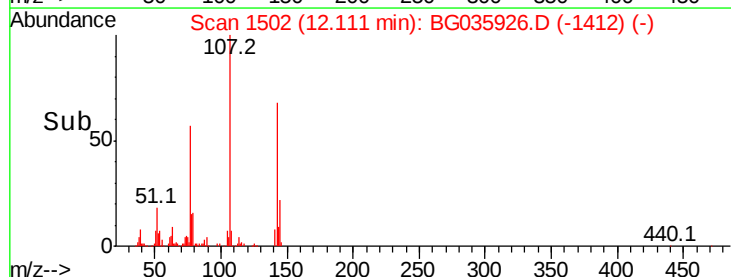
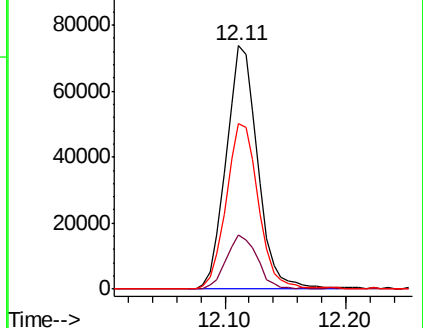
142 67.8 59.0 88.4



Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

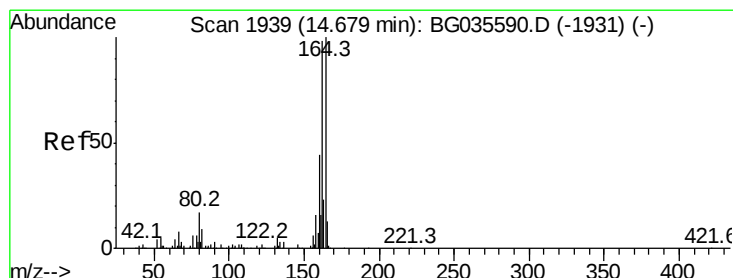
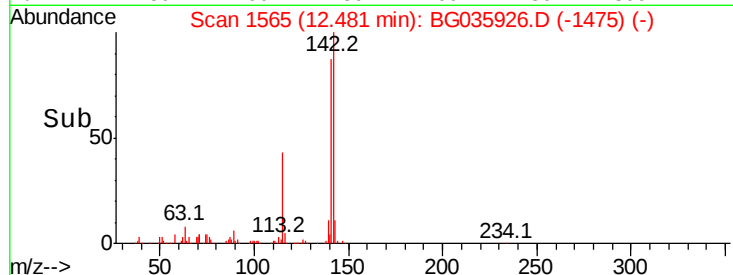
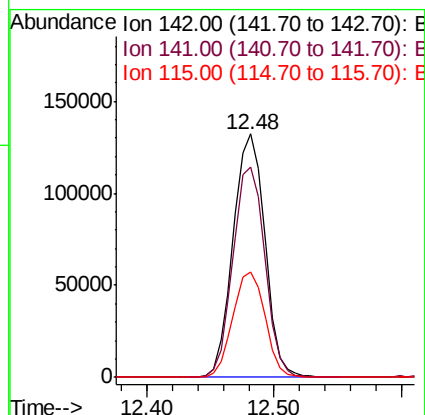
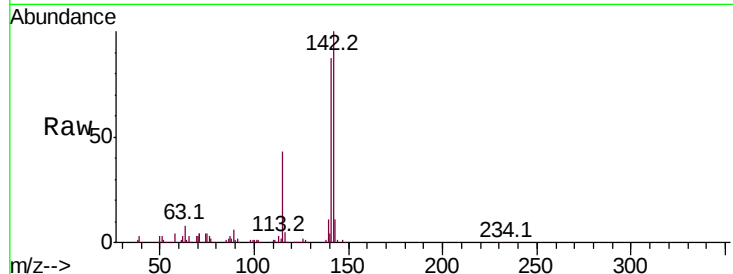




#37  
2-Methylnaphthalene  
Concen: 44.625 ng  
RT: 12.48 min Scan# 1565  
Delta R.T. -0.00 min  
Lab File: BG035926.D  
Acq: 27 Jul 2018 2:22

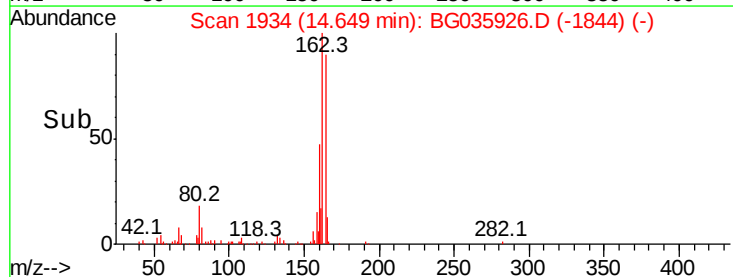
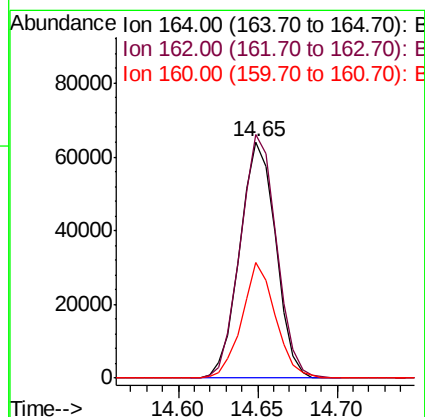
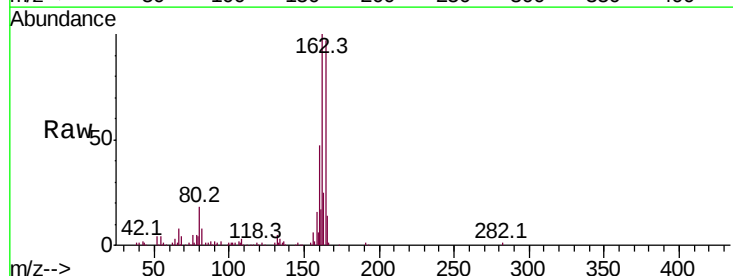
Instrument :  
BNA\_G  
ClientSampleId :

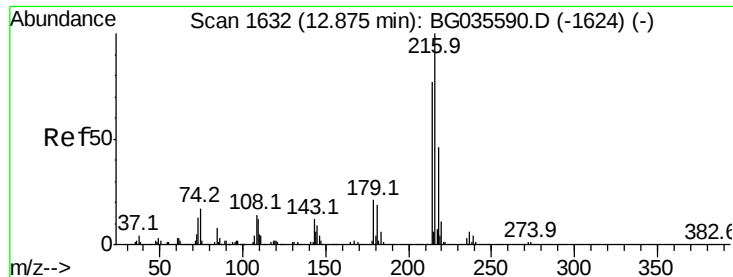
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 86.5  | 67.1  | 100.7 |
| 115     | 43.2  | 30.7  | 46.1  |



#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.65 min Scan# 1934  
Delta R.T. -0.00 min  
Lab File: BG035926.D  
Acq: 27 Jul 2018 2:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 103.2 | 78.8  | 118.2 |
| 160     | 48.8  | 35.4  | 53.0  |

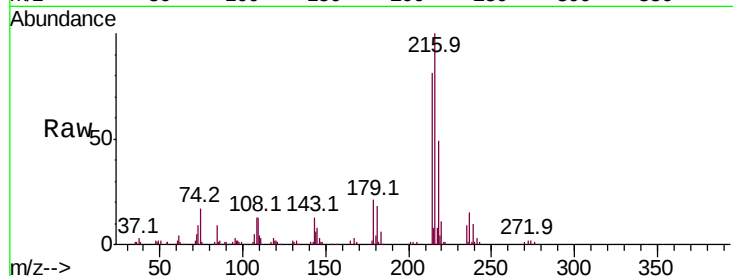




#39  
 1,2,4,5-Tetrachlorobenzene  
 Concen: 40.545 ng  
 RT: 12.85 min Scan# 1627  
 Delta R.T. -0.00 min  
 Lab File: BG035926.D  
 Acq: 27 Jul 2018 2:22

Instrument :  
 BNA\_G  
 ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 216   | Resp: | 154392 |
| Ion      | Ratio | Lower | Upper  |
| 216      | 100   |       |        |
| 214      | 79.5  | 63.0  | 94.4   |
| 179      | 20.4  | 17.0  | 25.6   |
| 108      | 15.5  | 12.8  | 19.2   |



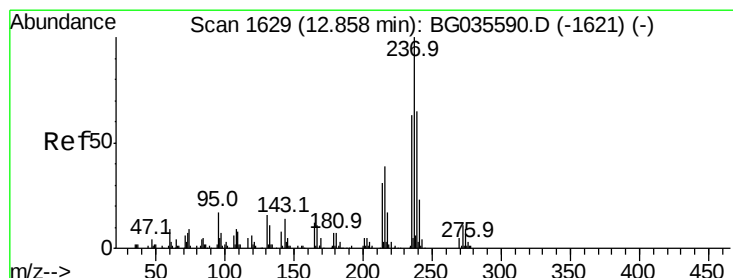
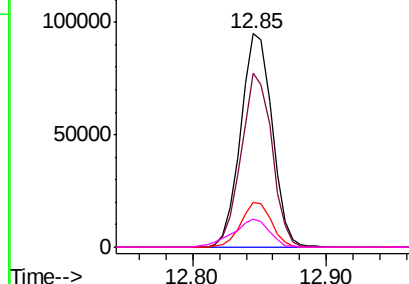
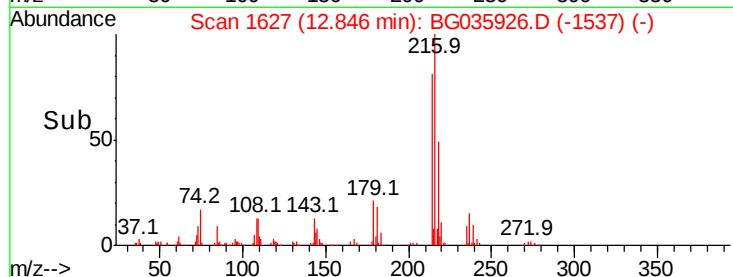
Abundance

Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

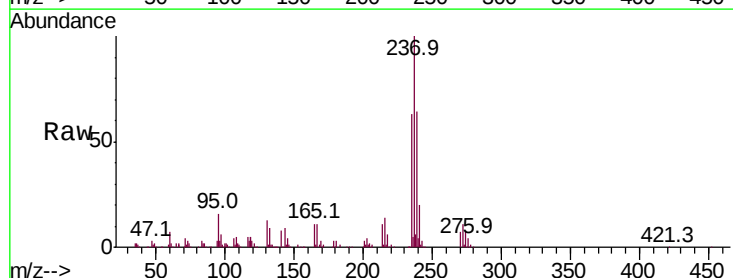
Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



#40  
 Hexachlorocyclopentadiene  
 Concen: 96.071 ng  
 RT: 12.83 min Scan# 1624  
 Delta R.T. 0.00 min  
 Lab File: BG035926.D  
 Acq: 27 Jul 2018 2:22

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 237   | Resp: | 191856 |
| Ion      | Ratio | Lower | Upper  |
| 237      | 100   |       |        |
| 235      | 62.7  | 50.4  | 90.4   |
| 272      | 10.7  | 0.0   | 31.8   |

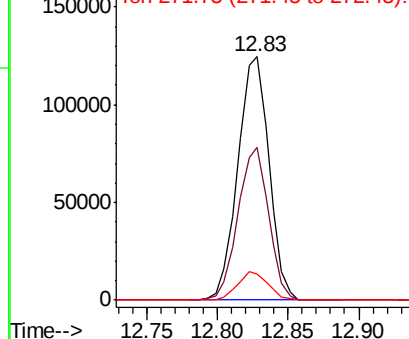
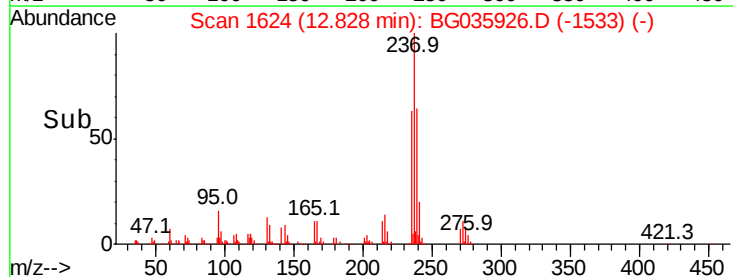


Abundance

Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

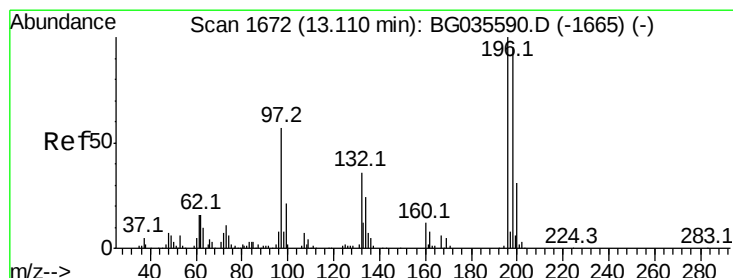
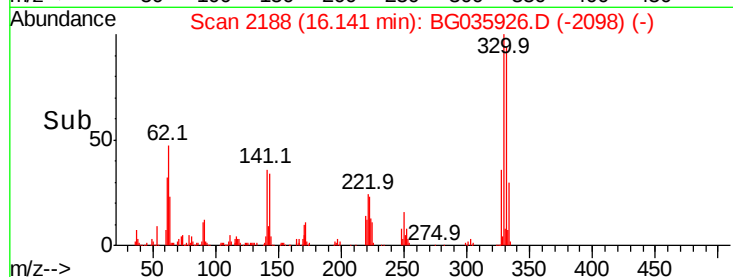
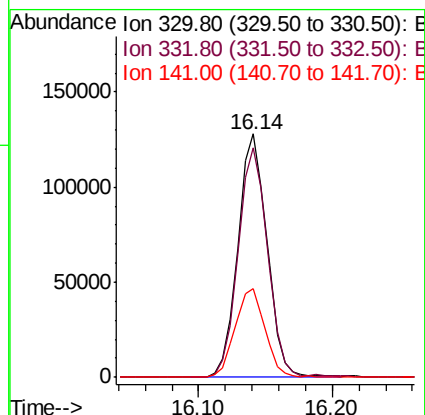
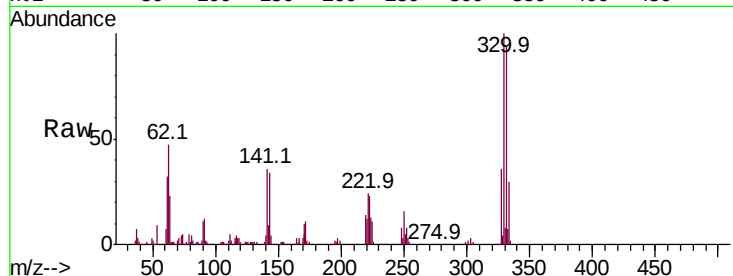




#41  
 2,4,6-Tribromophenol  
 Concen: 145.588 ng  
 RT: 16.14 min Scan# 2188  
 Delta R.T. -0.00 min  
 Lab File: BG035926.D  
 Acq: 27 Jul 2018 2:22

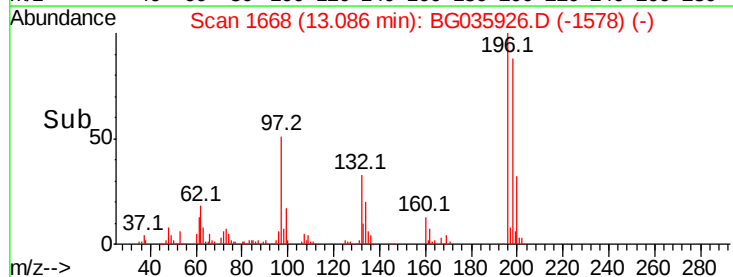
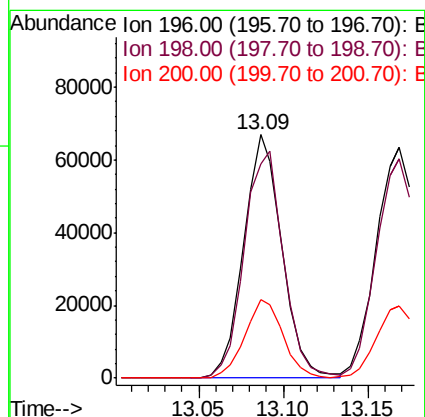
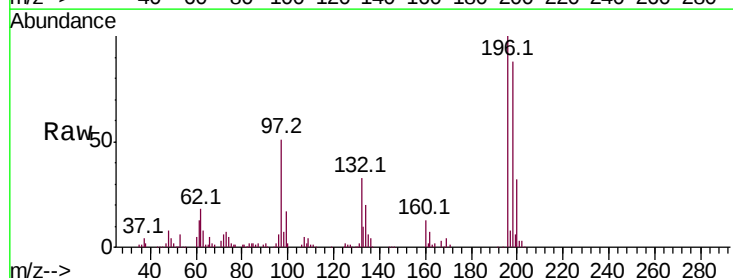
Instrument :  
 BNA\_G  
 ClientSampleId :

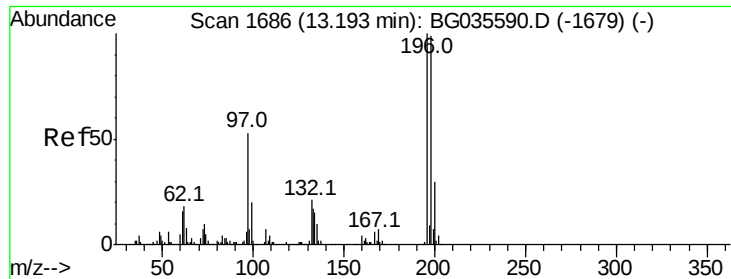
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.9  | 77.0  | 115.6 |
| 141     | 37.9  | 25.2  | 37.8# |



#42  
 2,4,6-Trichlorophenol  
 Concen: 47.378 ng  
 RT: 13.09 min Scan# 1668  
 Delta R.T. -0.00 min  
 Lab File: BG035926.D  
 Acq: 27 Jul 2018 2:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 196     | 100   |       |       |
| 198     | 88.1  | 78.2  | 117.2 |
| 200     | 32.3  | 24.6  | 36.8  |

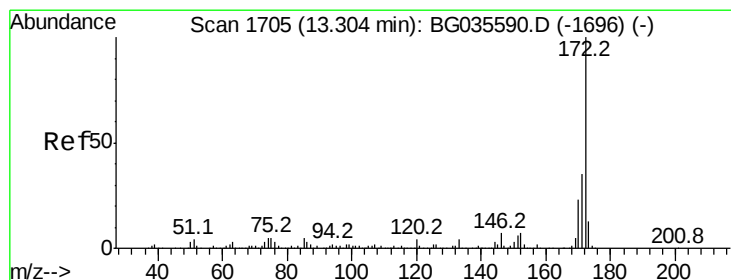
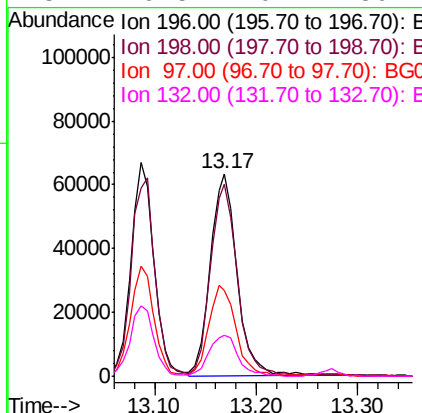
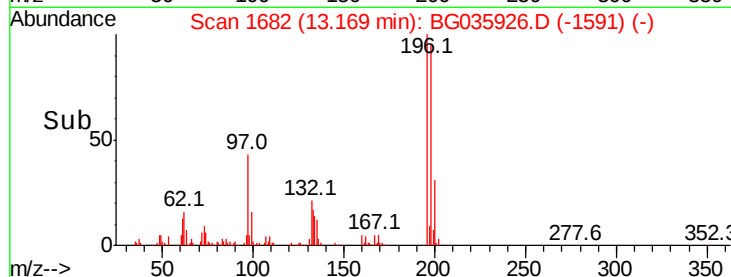
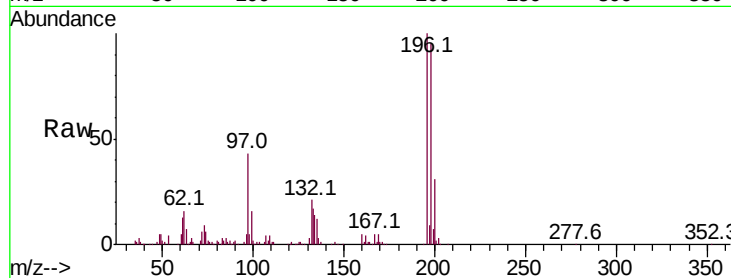




#43  
2,4,5-Trichlorophenol  
Concen: 46.248 ng  
RT: 13.17 min Scan# 1682  
Delta R.T. 0.00 min  
Lab File: BG035926.D  
Acq: 27 Jul 2018 2:22

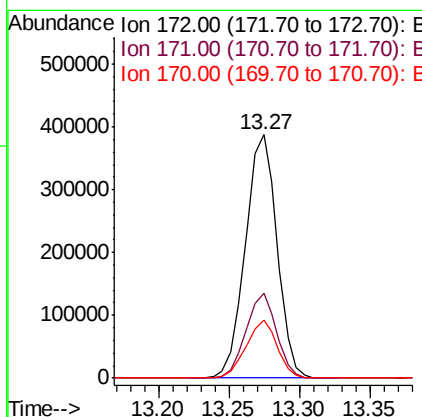
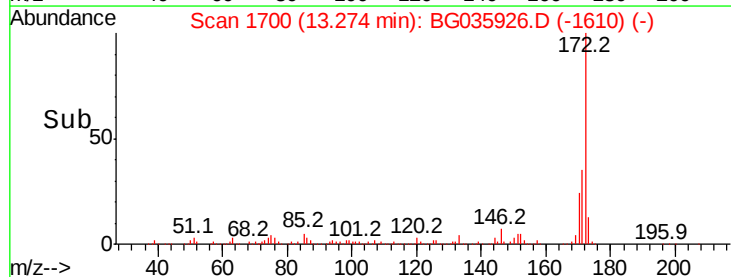
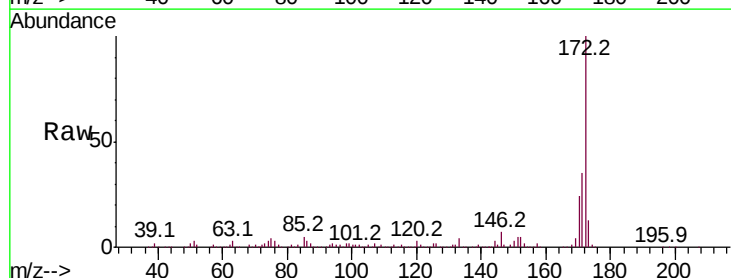
Instrument :  
BNA\_G  
ClientSampleId :

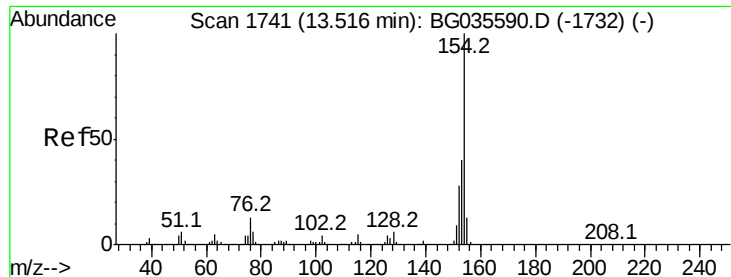
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 196     | 100   |       |       |
| 198     | 95.1  | 76.2  | 114.4 |
| 97      | 42.7  | 38.7  | 58.1  |
| 132     | 20.5  | 20.2  | 30.2  |



#44  
2-Fluorobiphenyl  
Concen: 80.856 ng  
RT: 13.27 min Scan# 1700  
Delta R.T. -0.00 min  
Lab File: BG035926.D  
Acq: 27 Jul 2018 2:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 34.7  | 30.0  | 45.0  |
| 170     | 23.6  | 19.5  | 29.3  |





#45

1,1'-Biphenyl

Concen: 40.387 ng

RT: 13.49 min Scan# 1736

Delta R.T. -0.00 min

Lab File: BG035926.D

Acq: 27 Jul 2018 2:22

Instrument :

BNA\_G

ClientSampled :

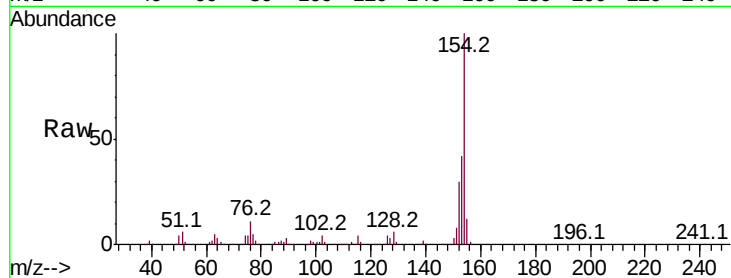
Tot Ion:154 Resp: 315901

Ion Ratio Lower Upper

154 100

153 42.2 19.8 59.8

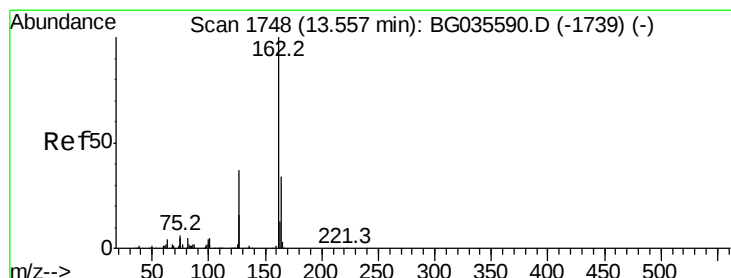
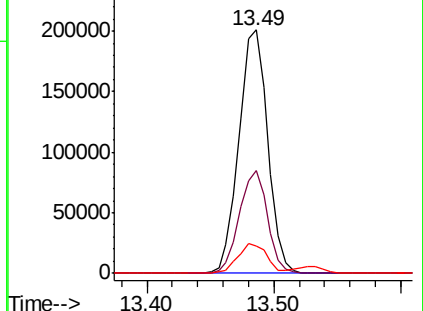
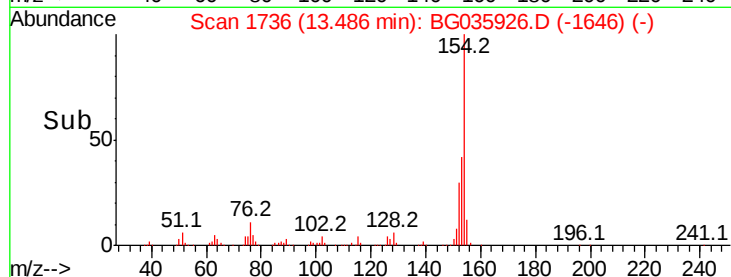
76 11.0 0.0 31.9



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BGC



#46

2-Chloronaphthalene

Concen: 42.051 ng

RT: 13.53 min Scan# 1743

Delta R.T. -0.00 min

Lab File: BG035926.D

Acq: 27 Jul 2018 2:22

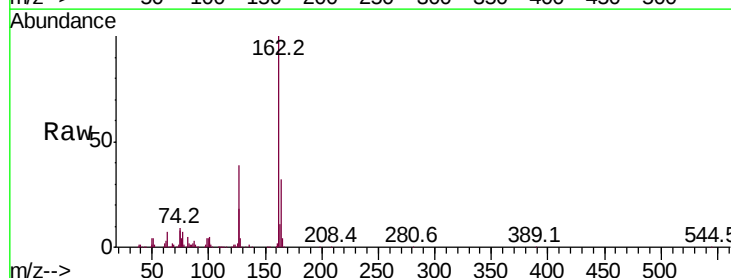
Tgt Ion:162 Resp: 255847

Ion Ratio Lower Upper

162 100

127 38.6 30.7 46.1

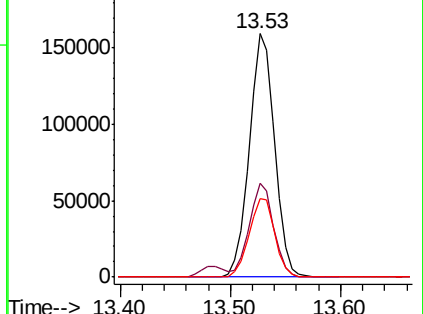
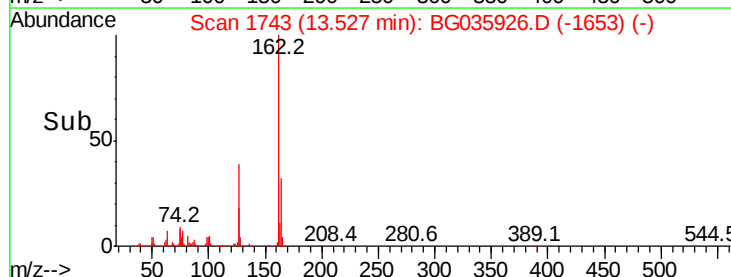
164 32.4 26.0 39.0

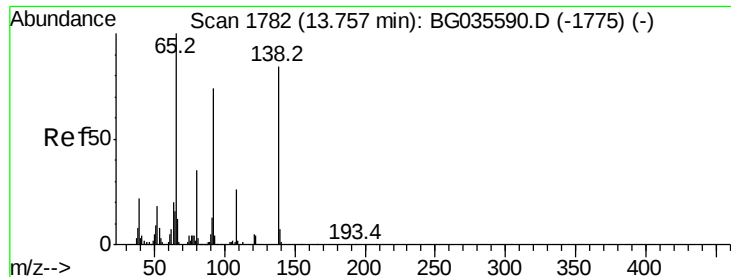


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E

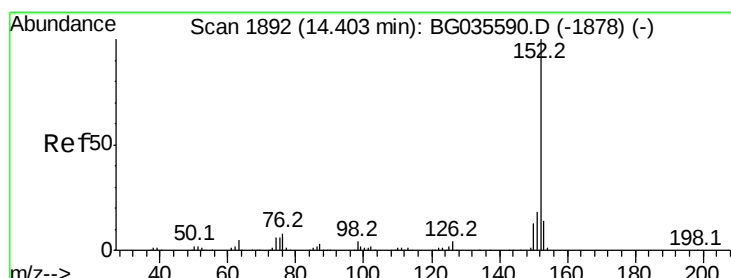
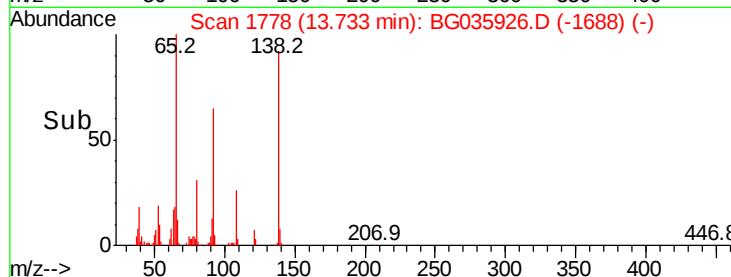
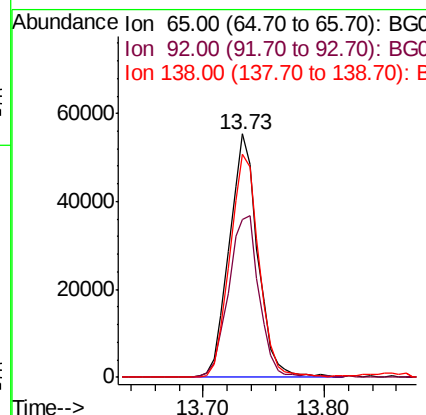
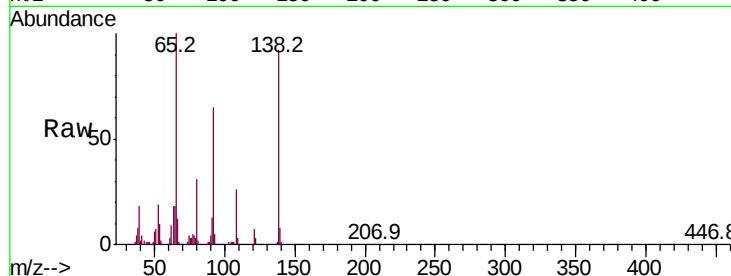




#47  
2-Nitroaniline  
Concen: 42.212 ng  
RT: 13.73 min Scan# 1778  
Delta R.T. -0.00 min  
Lab File: BG035926.D  
Acq: 27 Jul 2018 2:22

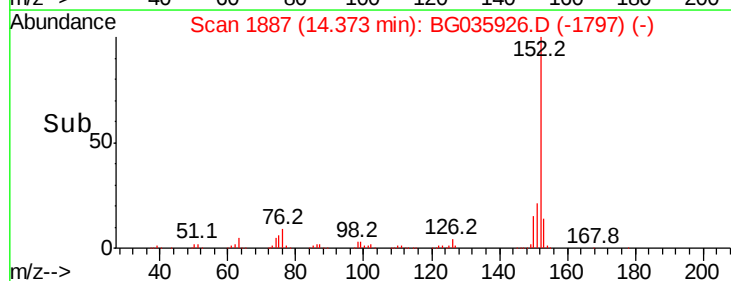
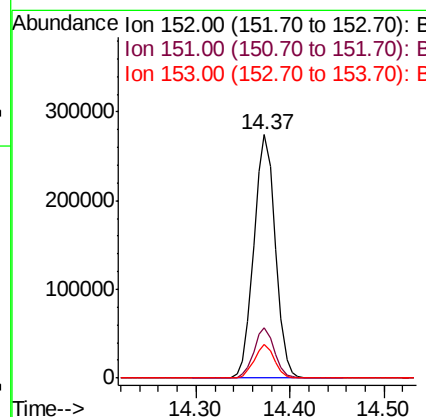
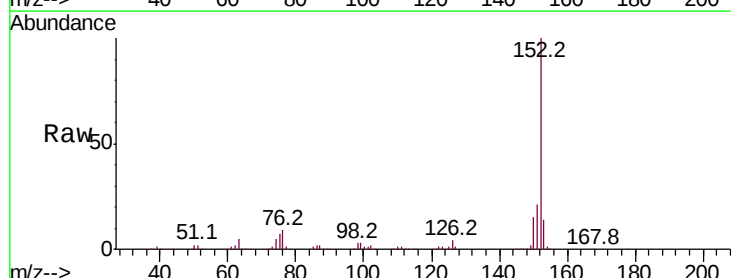
Instrument :  
BNA\_G  
ClientSampleId :

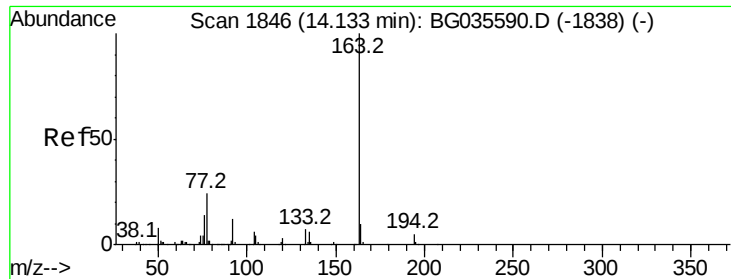
Tot Ion: 65 Resp: 90796  
Ion Ratio Lower Upper  
65 100  
92 64.7 54.6 82.0  
138 91.6 72.9 109.3



#48  
Acenaphthylene  
Concen: 42.585 ng  
RT: 14.37 min Scan# 1887  
Delta R.T. -0.00 min  
Lab File: BG035926.D  
Acq: 27 Jul 2018 2:22

Tgt Ion: 152 Resp: 434010  
Ion Ratio Lower Upper  
152 100  
151 20.6 17.2 25.8  
153 13.6 10.2 15.4

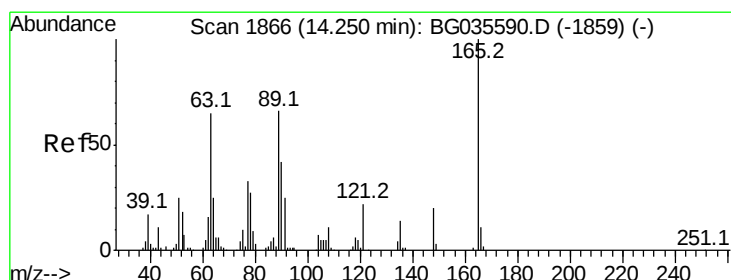
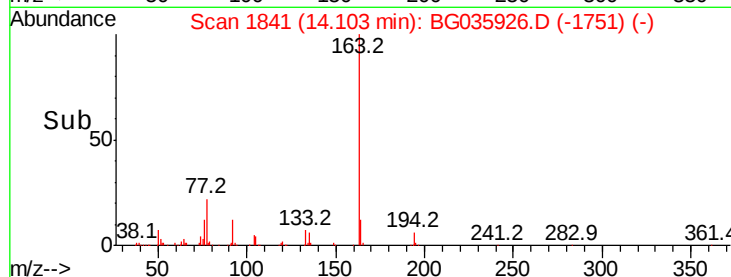
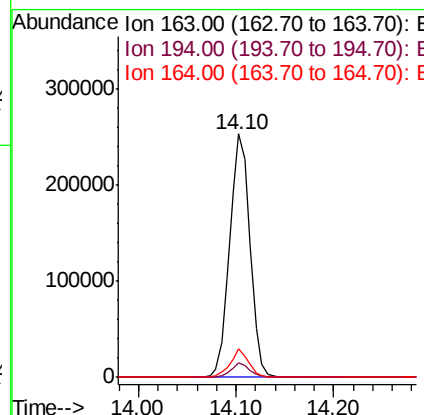
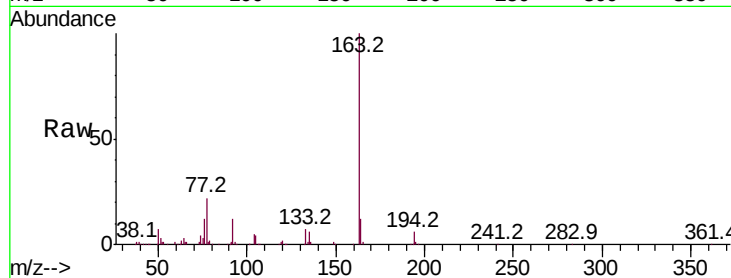




#49  
Dimethylphthalate  
Concen: 41.195 ng  
RT: 14.10 min Scan# 1841  
Delta R.T. -0.00 min  
Lab File: BG035926.D  
Acq: 27 Jul 2018 2:22

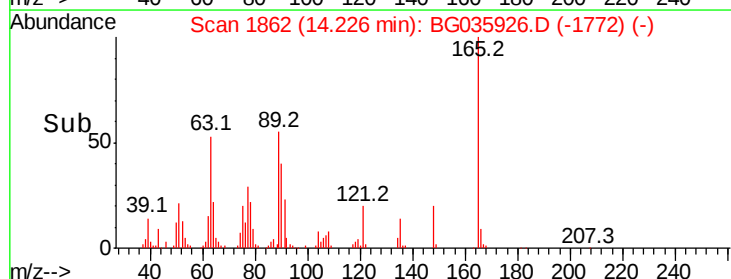
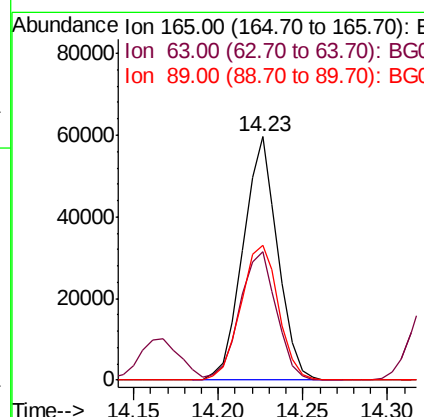
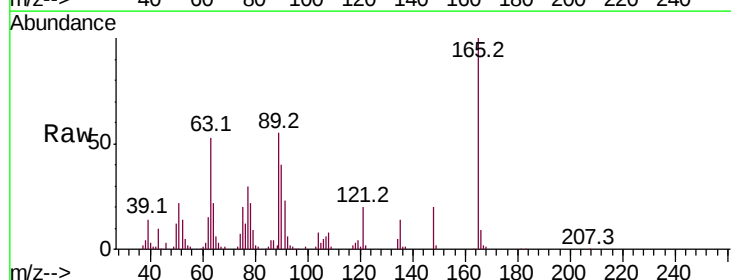
Instrument :  
BNA\_G  
ClientSampleId :

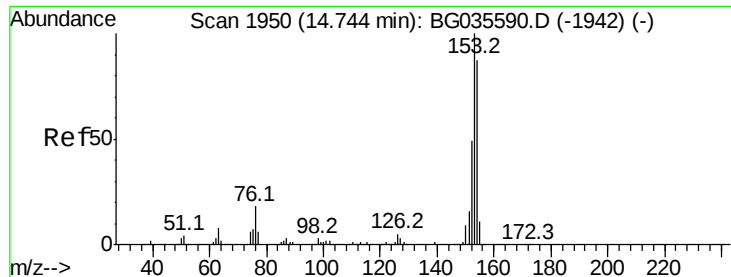
Tot Ion:163 Resp: 364134  
Ion Ratio Lower Upper  
163 100  
194 5.7 3.4 5.2#  
164 11.8 8.2 12.4



#50  
2,6-Dinitrotoluene  
Concen: 47.038 ng  
RT: 14.23 min Scan# 1862  
Delta R.T. -0.00 min  
Lab File: BG035926.D  
Acq: 27 Jul 2018 2:22

Tgt Ion:165 Resp: 84670  
Ion Ratio Lower Upper  
165 100  
63 52.7 52.7 79.1  
89 55.3 49.2 73.8





#51

Acenaphthene

Concen: 39.315 ng

RT: 14.71 min Scan# 1945

Delta R.T. -0.00 min

Lab File: BG035926.D

Acq: 27 Jul 2018 2:22

Instrument :

BNA\_G

ClientSampleId :

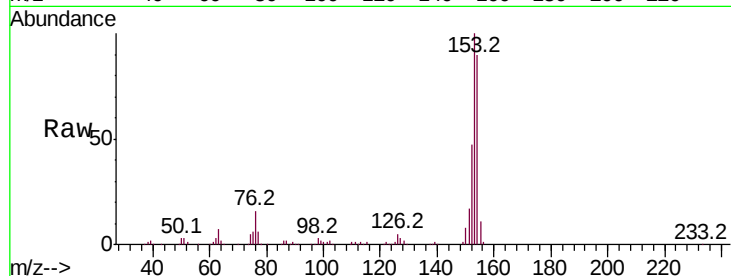
Tot Ion:154 Resp: 249605

Ion Ratio Lower Upper

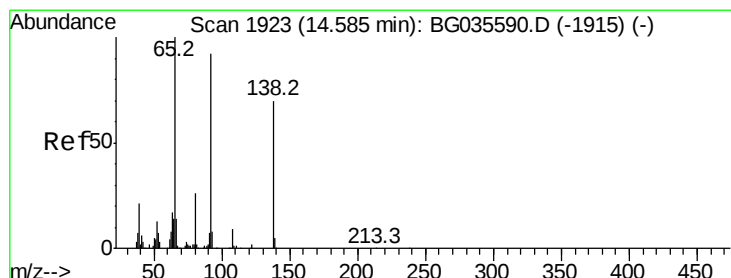
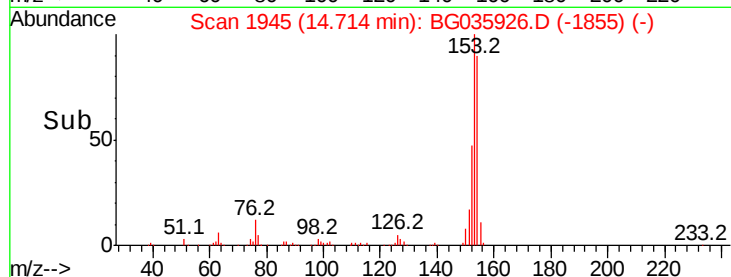
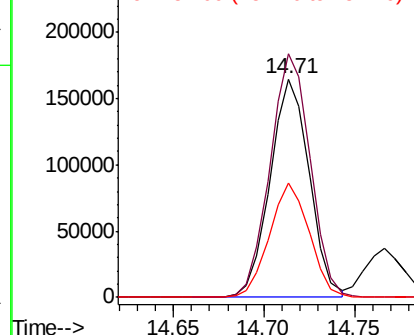
154 100

153 111.4 90.4 135.6

152 52.3 41.6 62.4



Abundance Ion 154.00 (153.70 to 154.70): E  
Ion 153.00 (152.70 to 153.70): E  
Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 23.354 ng

RT: 14.55 min Scan# 1918

Delta R.T. -0.01 min

Lab File: BG035926.D

Acq: 27 Jul 2018 2:22

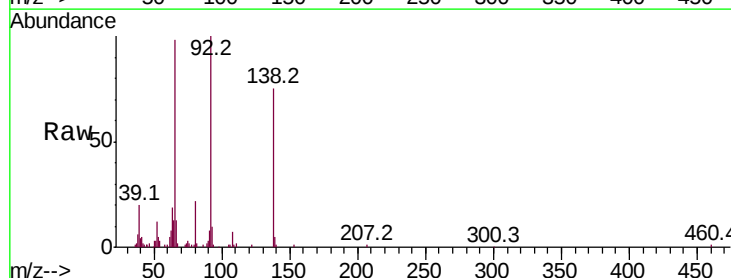
Tgt Ion:138 Resp: 42965

Ion Ratio Lower Upper

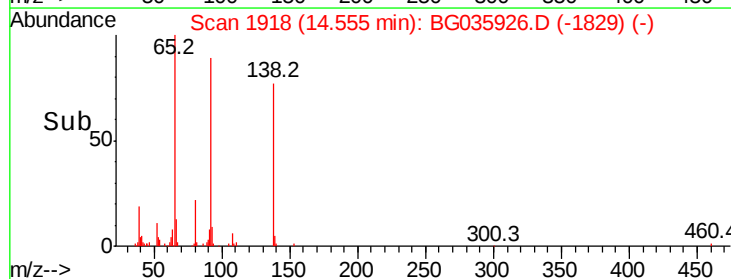
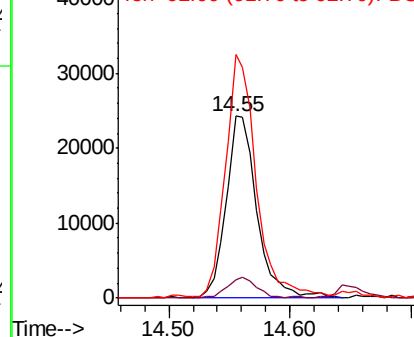
138 100

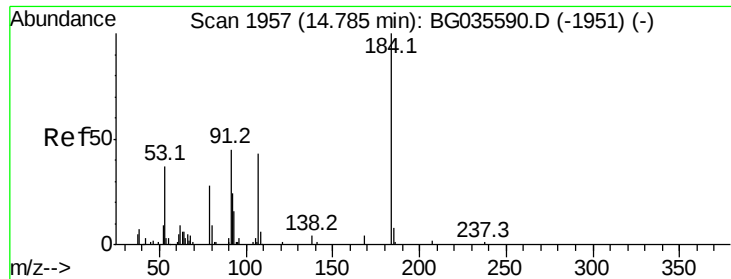
108 9.9 17.5 26.3#

92 133.7 105.8 158.8



Abundance Ion 138.00 (137.70 to 138.70): E  
Ion 108.00 (107.70 to 108.70): E  
Ion 92.00 (91.70 to 92.70): BGO





#53

2,4-Dinitrophenol

Concen: 88.875 ng

RT: 14.77 min Scan# 1954

Delta R.T. 0.00 min

Lab File: BG035926.D

Acq: 27 Jul 2018 2:22

Instrument :

BNA\_G

ClientSampled :

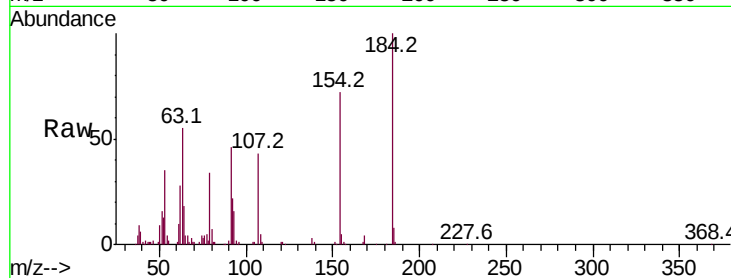
Tot Ion:184 Resp: 83003

Ion Ratio Lower Upper

184 100

63 55.5 59.8 89.8#

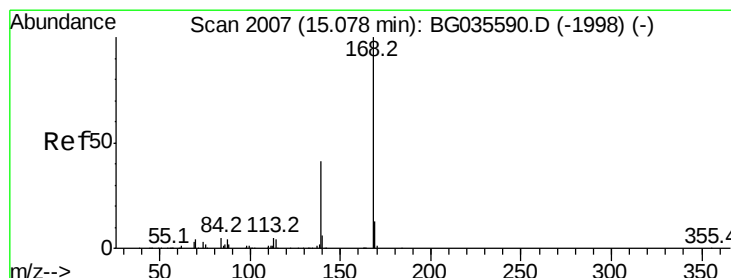
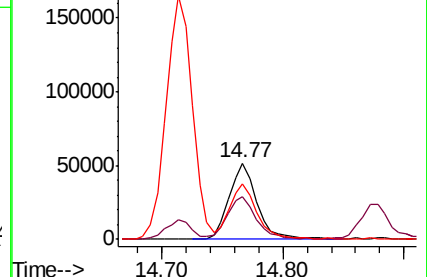
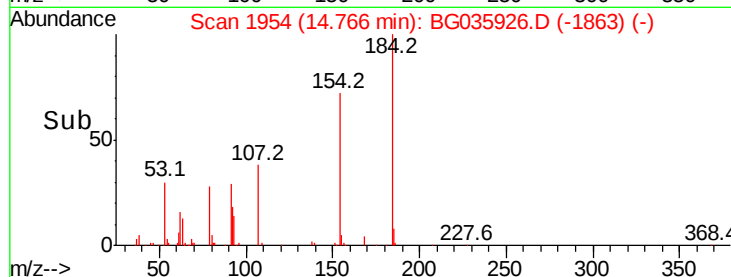
154 71.9 101.8 152.8#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 154.00 (153.70 to 154.70): E



#54

Dibenzofuran

Concen: 41.916 ng

RT: 15.05 min Scan# 2002

Delta R.T. -0.00 min

Lab File: BG035926.D

Acq: 27 Jul 2018 2:22

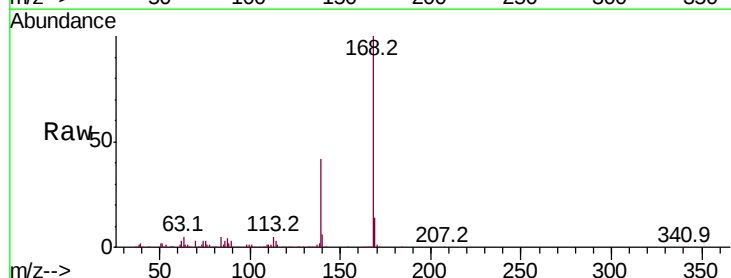
Tgt Ion:168 Resp: 423222

Ion Ratio Lower Upper

168 100

139 42.3 28.6 43.0

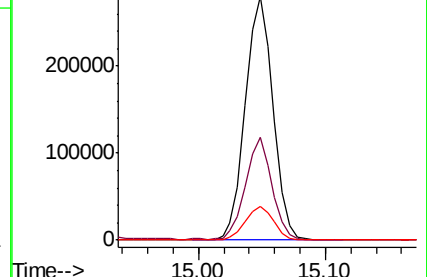
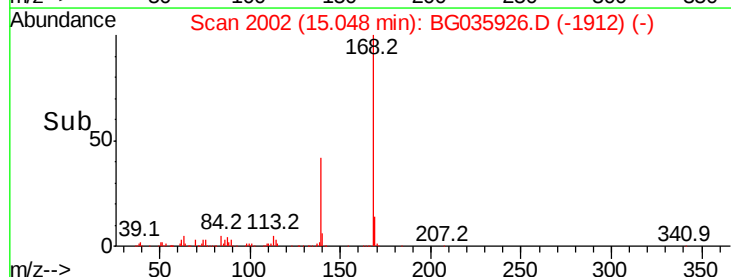
169 13.6 11.2 16.8

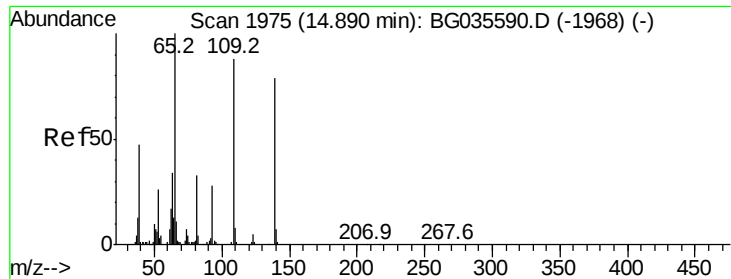


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#55

4-Nitrophenol

Concen: 89.120 ng

RT: 14.88 min Scan# 1973

Delta R.T. 0.00 min

Lab File: BG035926.D

Acq: 27 Jul 2018 2:22

Instrument :

BNA\_G

ClientSampleId :

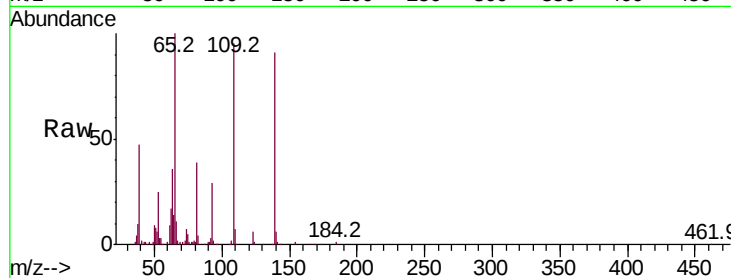
Tot Ion:139 Resp: 116765

Ion Ratio Lower Upper

139 100

109 103.7 62.2 102.2#

65 109.4 97.2 137.2

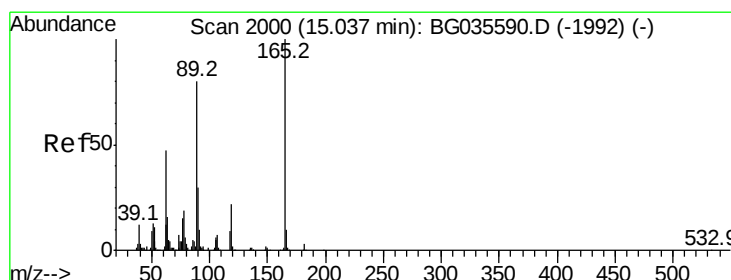
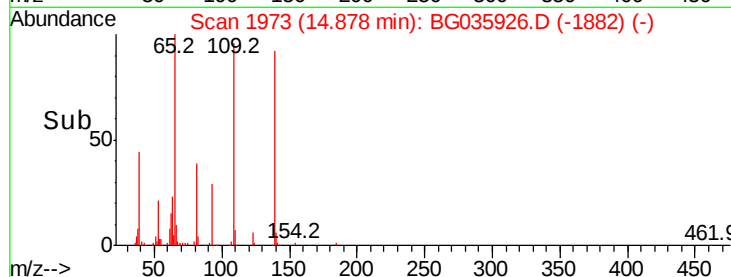
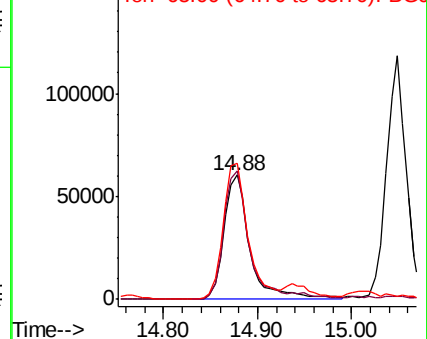


Abundance

Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC



#56

2,4-Dinitrotoluene

Concen: 47.482 ng

RT: 15.01 min Scan# 1996

Delta R.T. -0.00 min

Lab File: BG035926.D

Acq: 27 Jul 2018 2:22

Tgt Ion:165 Resp: 122617

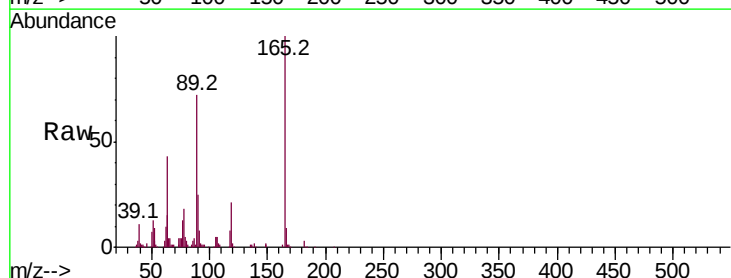
Ion Ratio Lower Upper

165 100

63 42.9 42.0 63.0

89 71.7 66.9 100.3

182 3.0 2.6 3.8



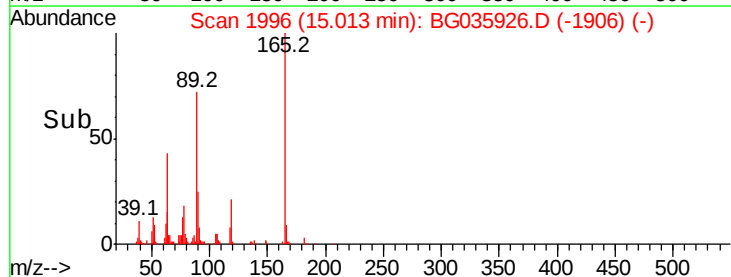
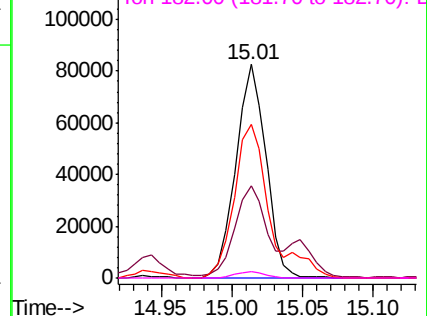
Abundance

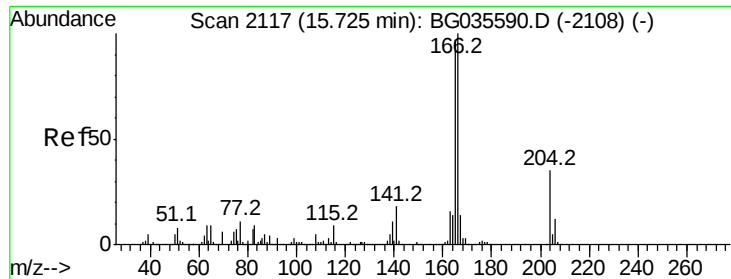
Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E

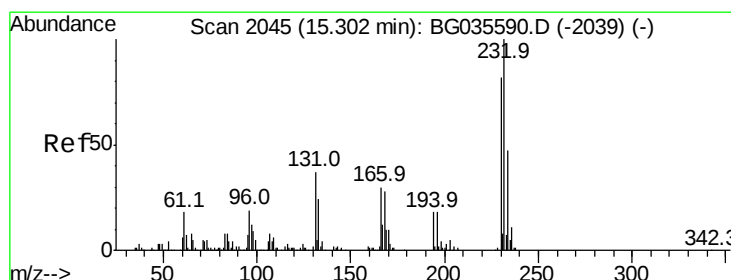
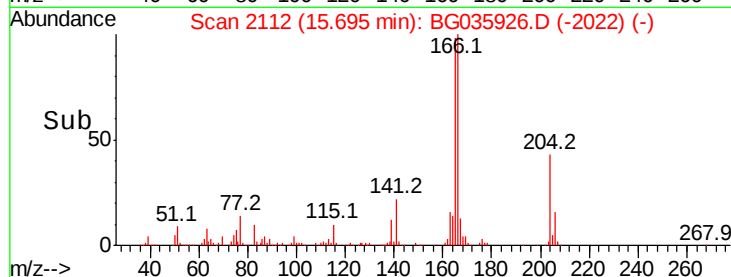
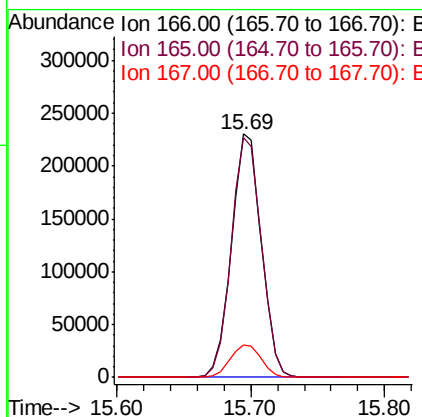
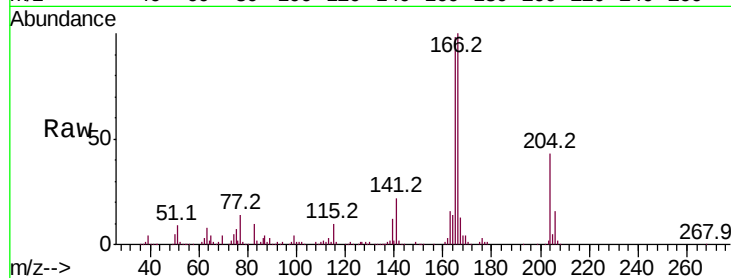




#57  
 Fluorene  
 Concen: 42.233 ng  
 RT: 15.69 min Scan# 2112  
 Delta R.T. -0.00 min  
 Lab File: BG035926.D  
 Acq: 27 Jul 2018 2:22

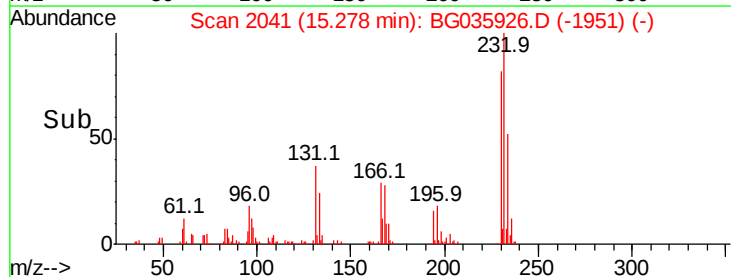
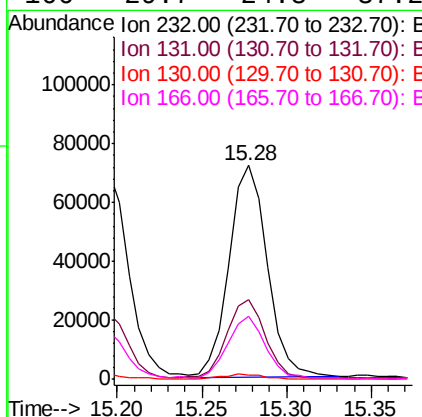
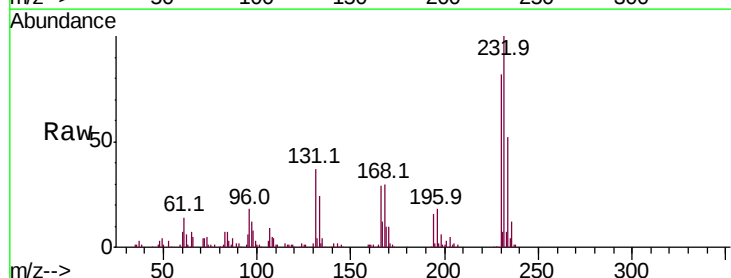
Instrument :  
 BNA\_G  
 ClientSampleId :

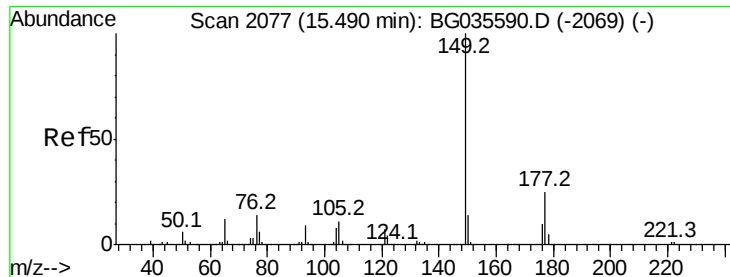
Tot Ion:166 Resp: 357403  
 Ion Ratio Lower Upper  
 166 100  
 165 98.3 80.6 121.0  
 167 13.2 10.4 15.6



#58  
 2,3,4,6-Tetrachlorophenol  
 Concen: 47.704 ng  
 RT: 15.28 min Scan# 2041  
 Delta R.T. -0.00 min  
 Lab File: BG035926.D  
 Acq: 27 Jul 2018 2:22

Tgt Ion:232 Resp: 113943  
 Ion Ratio Lower Upper  
 232 100  
 131 37.6 33.5 50.3  
 130 2.2 2.2 3.2  
 166 29.7 24.8 37.2

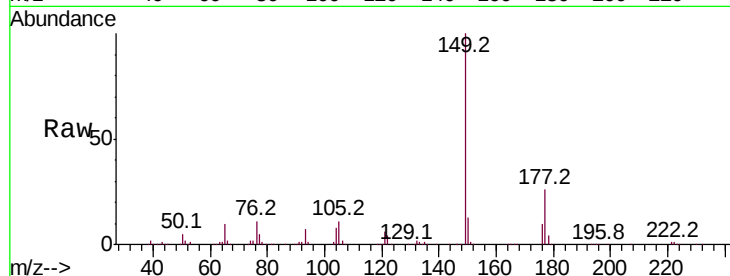




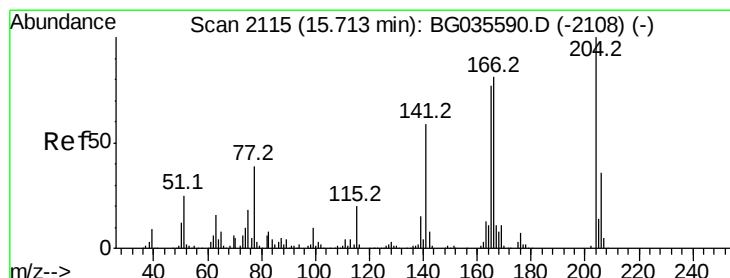
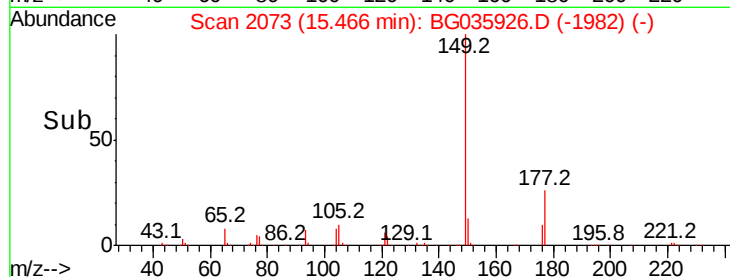
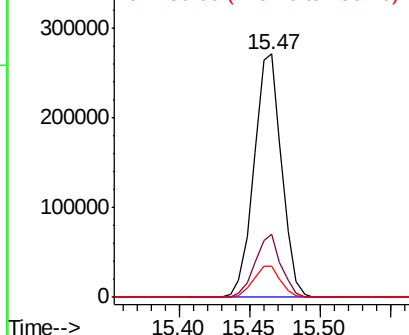
#59  
Diethylphthalate  
Concen: 40.986 ng  
RT: 15.47 min Scan# 2073  
Delta R.T. 0.00 min  
Lab File: BG035926.D  
Acq: 27 Jul 2018 2:22

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:149 Resp: 372527  
Ion Ratio Lower Upper  
149 100  
177 25.9 18.5 27.7  
150 12.8 10.2 15.2

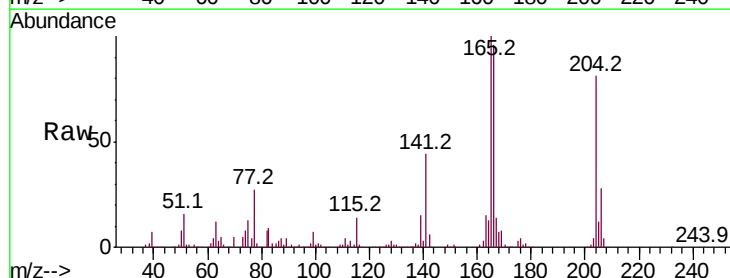


Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 177.00 (176.70 to 177.70): E  
Ion 150.00 (149.70 to 150.70): E

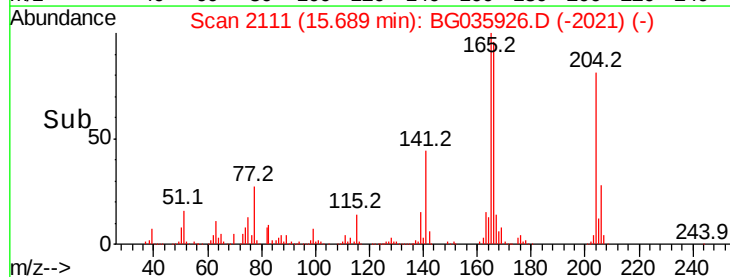
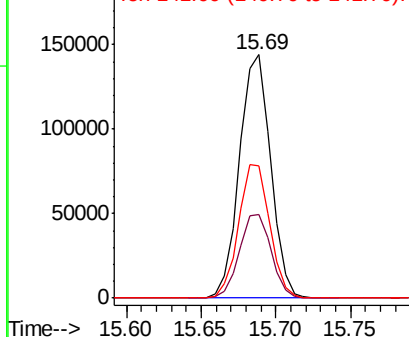


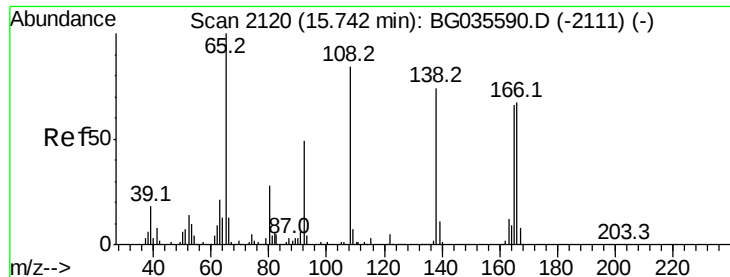
#60  
4-Chlorophenyl-phenylether  
Concen: 41.927 ng  
RT: 15.69 min Scan# 2111  
Delta R.T. -0.00 min  
Lab File: BG035926.D  
Acq: 27 Jul 2018 2:22

Tgt Ion:204 Resp: 208542  
Ion Ratio Lower Upper  
204 100  
206 34.4 26.2 39.2  
141 54.1 45.8 68.6



Abundance Ion 204.00 (203.70 to 204.70): E  
Ion 206.00 (205.70 to 206.70): E  
Ion 141.00 (140.70 to 141.70): E

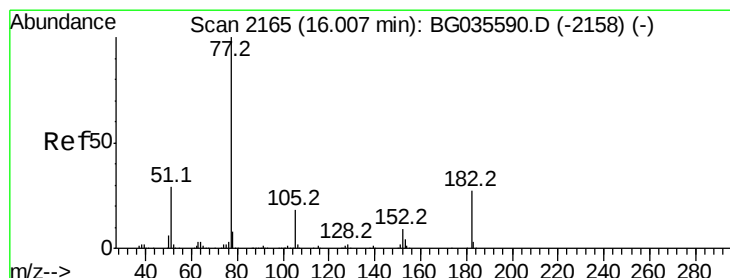
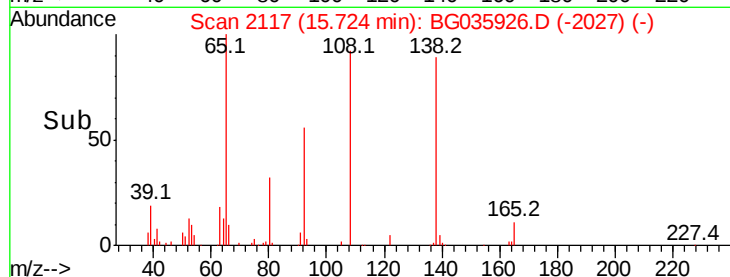
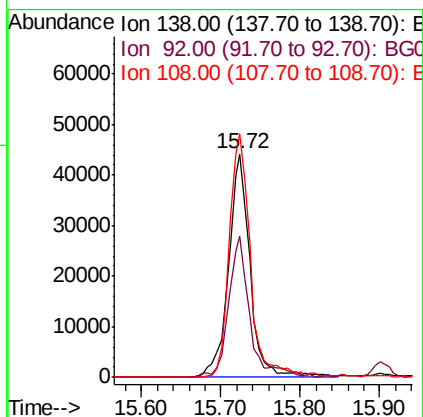
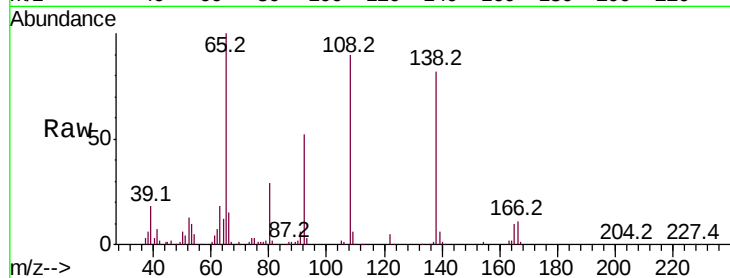




#61  
4-Nitroaniline  
Concen: 43.194 ng  
RT: 15.72 min Scan# 2117  
Delta R.T. -0.00 min  
Lab File: BG035926.D  
Acq: 27 Jul 2018 2:22

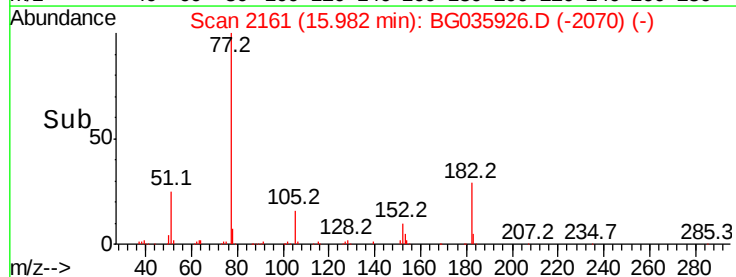
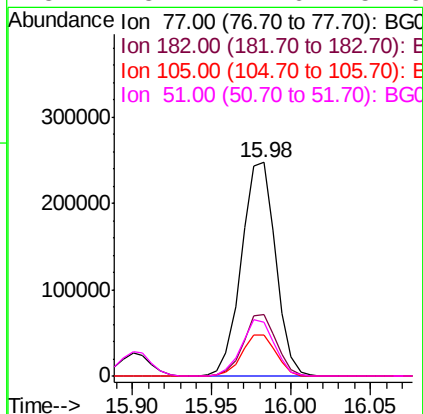
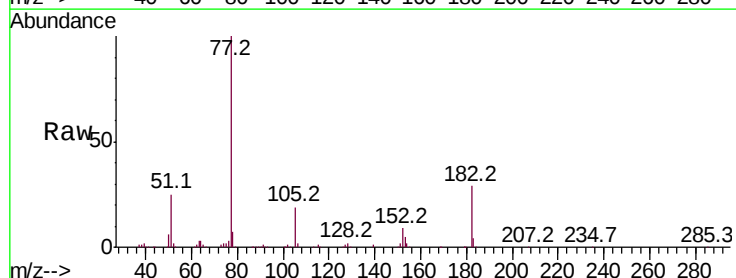
Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:138 Resp: 83126  
Ion Ratio Lower Upper  
138 100  
92 63.1 40.1 80.1  
108 108.8 65.4 105.4#



#62  
Azobenzene  
Concen: 41.125 ng  
RT: 15.98 min Scan# 2161  
Delta R.T. 0.00 min  
Lab File: BG035926.D  
Acq: 27 Jul 2018 2:22

Tgt Ion: 77 Resp: 368704  
Ion Ratio Lower Upper  
77 100  
182 28.7 7.4 47.4  
105 19.1 0.3 40.3  
51 25.2 11.6 51.6





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.39 min Scan# 2401

Delta R.T. -0.00 min

Lab File: BG035926.D

Acq: 27 Jul 2018 2:22

Instrument :

BNA\_G

ClientSampleId :

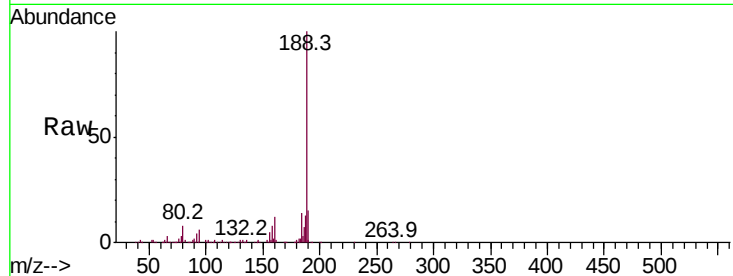
Tot Ion:188 Resp: 286003

Ion Ratio Lower Upper

188 100

94 6.2 6.9 10.3#

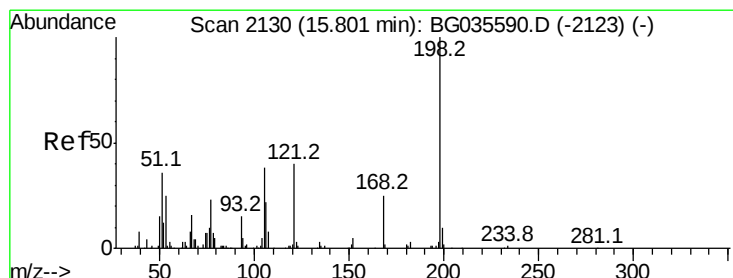
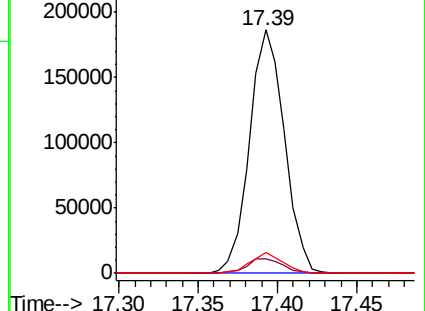
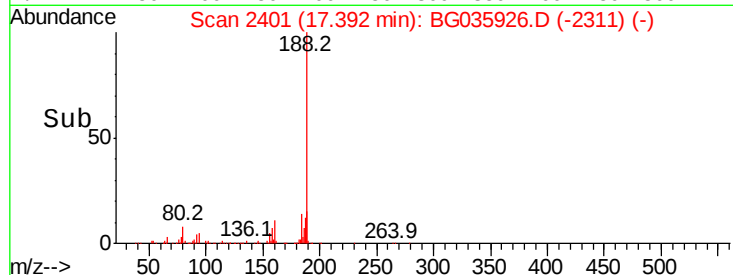
80 8.5 7.7 11.5



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#64

4,6-Dinitro-2-methylphenol

Concen: 46.341 ng

RT: 15.78 min Scan# 2126

Delta R.T. -0.00 min

Lab File: BG035926.D

Acq: 27 Jul 2018 2:22

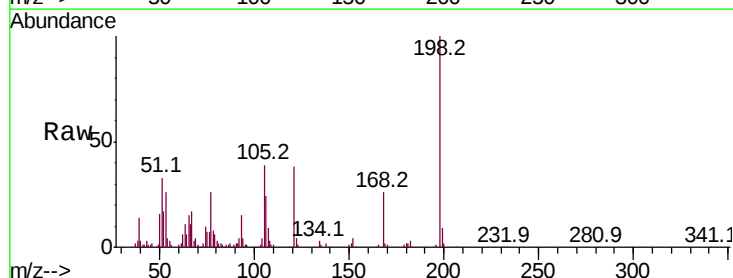
Tgt Ion:198 Resp: 73779

Ion Ratio Lower Upper

198 100

51 32.7 30.6 70.6

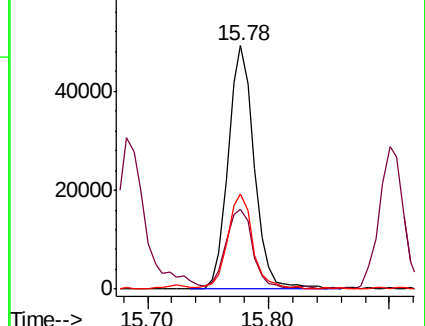
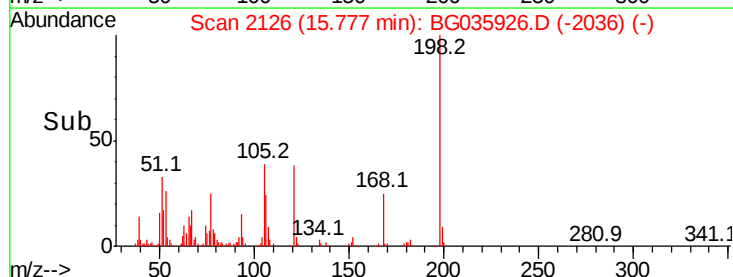
105 39.3 23.8 63.8



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E





#65

n-Nitrosodiphenylamine

Concen: 39.766 ng

RT: 15.90 min Scan# 2147

Delta R.T. -0.00 min

Lab File: BG035926.D

Acq: 27 Jul 2018 2:22

Instrument :

BNA\_G

ClientSampled :

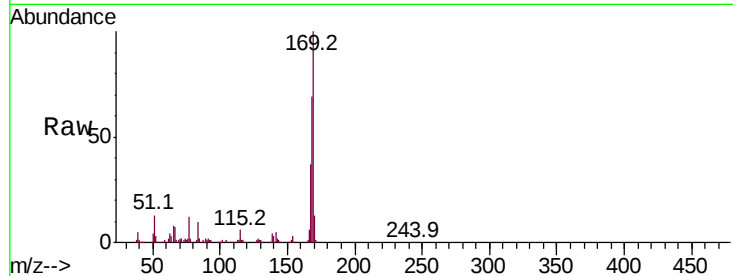
Tot Ion:169 Resp: 323720

Ion Ratio Lower Upper

169 100

168 69.4 55.7 83.5

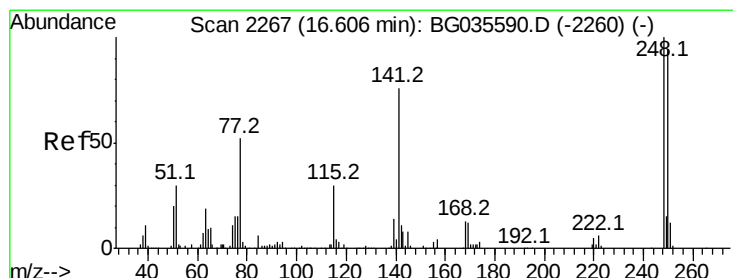
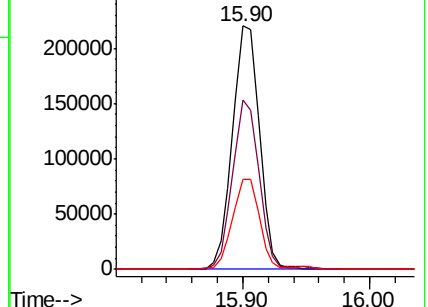
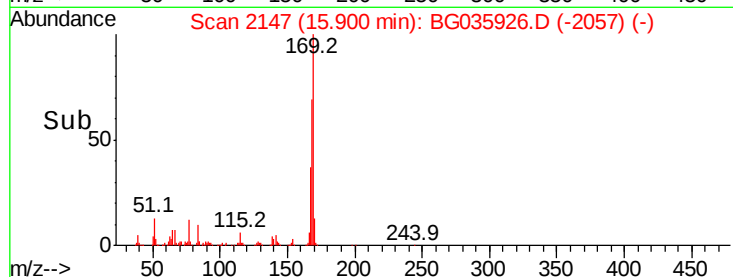
167 36.8 30.1 45.1



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#66

4-Bromophenyl-phenylether

Concen: 42.453 ng

RT: 16.58 min Scan# 2263

Delta R.T. -0.00 min

Lab File: BG035926.D

Acq: 27 Jul 2018 2:22

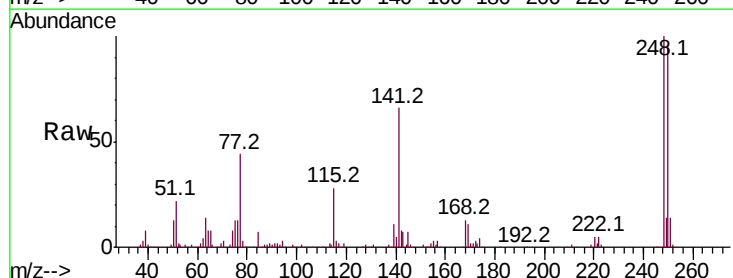
Tgt Ion:248 Resp: 140863

Ion Ratio Lower Upper

248 100

250 96.2 77.1 115.7

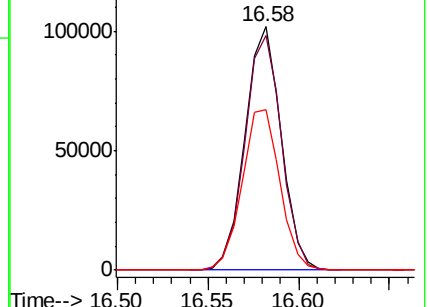
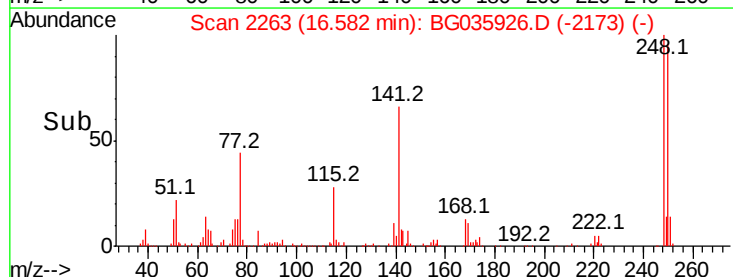
141 66.0 50.8 76.2

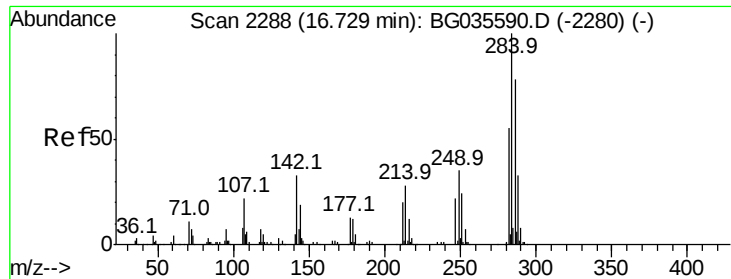


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

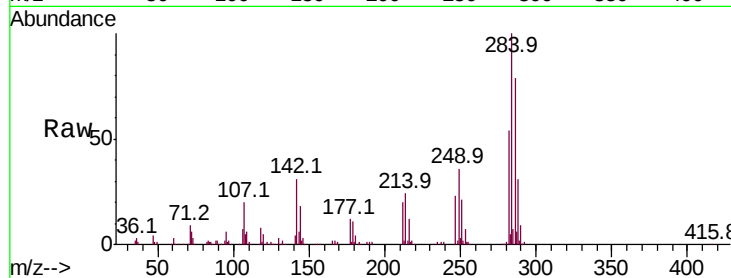




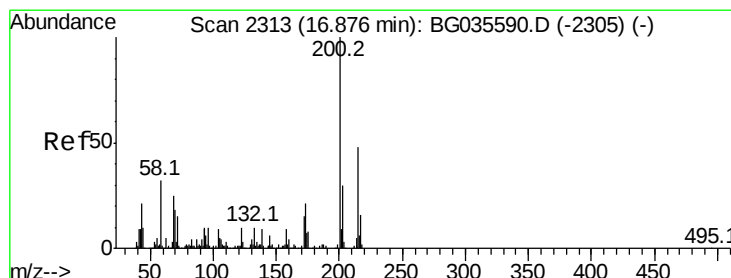
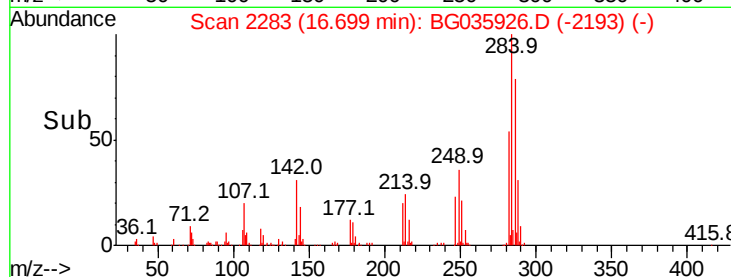
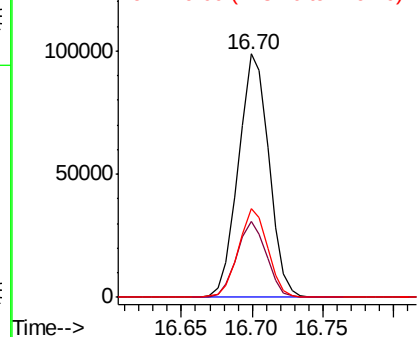
#67  
Hexachlorobenzene  
Concen: 43.467 ng  
RT: 16.70 min Scan# 2283  
Delta R.T. -0.00 min  
Lab File: BG035926.D  
Acq: 27 Jul 2018 2:22

Instrument :  
BNA\_G  
ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 31.3  | 26.8  | 40.2  |
| 249     | 36.4  | 26.3  | 39.5  |

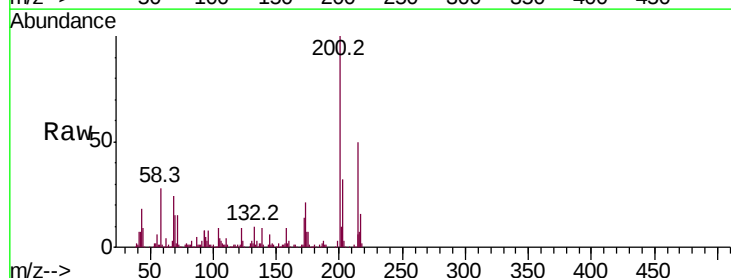


Abundance Ion 283.80 (283.50 to 284.50): E  
Ion 142.00 (141.70 to 142.70): E  
Ion 249.00 (248.70 to 249.70): E

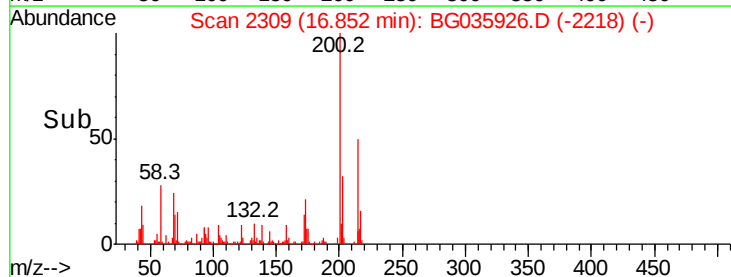
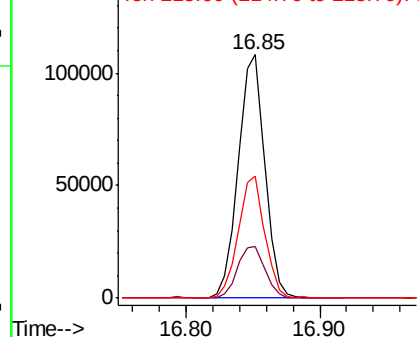


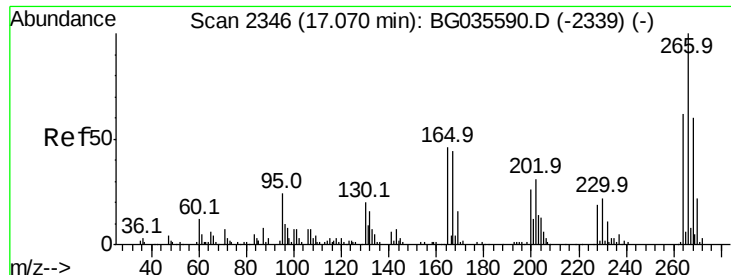
#68  
Atrazine  
Concen: 44.908 ng  
RT: 16.85 min Scan# 2309  
Delta R.T. 0.00 min  
Lab File: BG035926.D  
Acq: 27 Jul 2018 2:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 200     | 100   |       |       |
| 173     | 21.4  | 5.2   | 45.2  |
| 215     | 50.1  | 30.4  | 70.4  |



Abundance Ion 200.00 (199.70 to 200.70): E  
Ion 173.00 (172.70 to 173.70): E  
Ion 215.00 (214.70 to 215.70): E

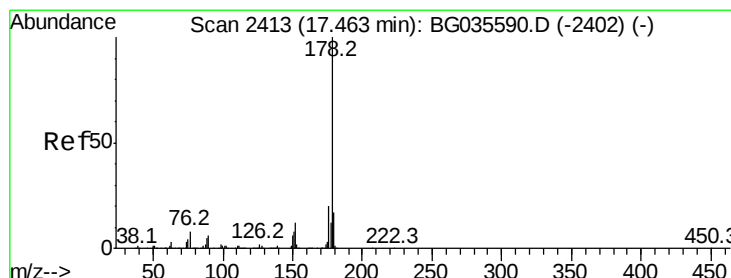
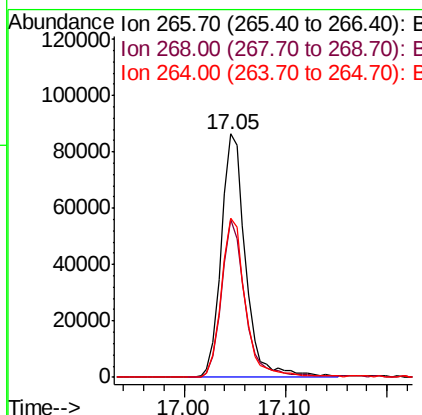
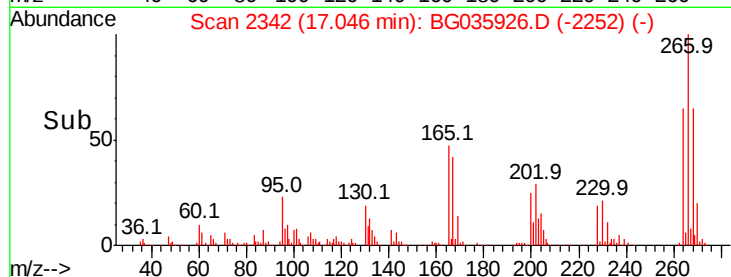
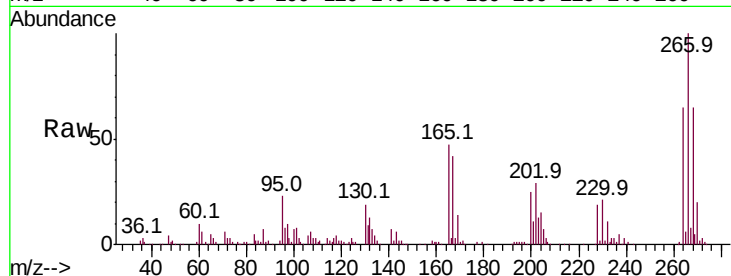




#69  
 Pentachlorophenol  
 Concen: 69.404 ng  
 RT: 17.05 min Scan# 2342  
 Delta R.T. -0.00 min  
 Lab File: BG035926.D  
 Acq: 27 Jul 2018 2:22

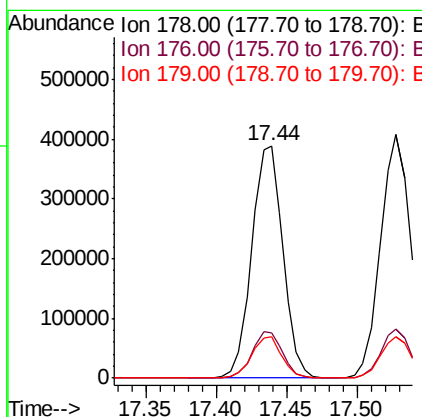
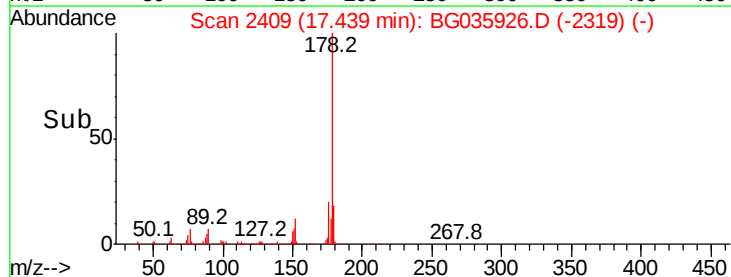
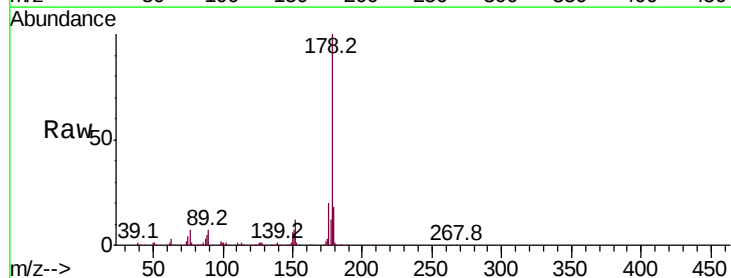
Instrument :  
 BNA\_G  
 ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 268     | 64.8  | 51.1  | 76.7  |
| 264     | 65.1  | 49.6  | 74.4  |



#70  
 Phenanthrene  
 Concen: 42.368 ng  
 RT: 17.44 min Scan# 2409  
 Delta R.T. -0.00 min  
 Lab File: BG035926.D  
 Acq: 27 Jul 2018 2:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 19.5  | 15.7  | 23.5  |
| 179     | 17.5  | 12.5  | 18.7  |

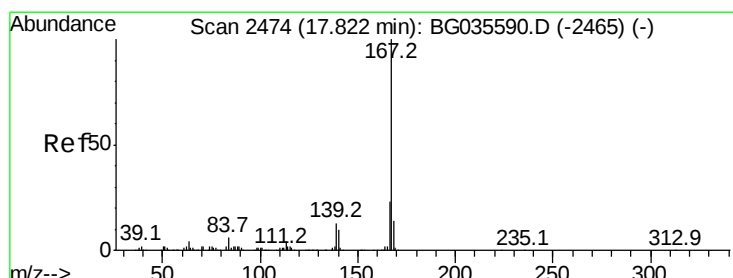
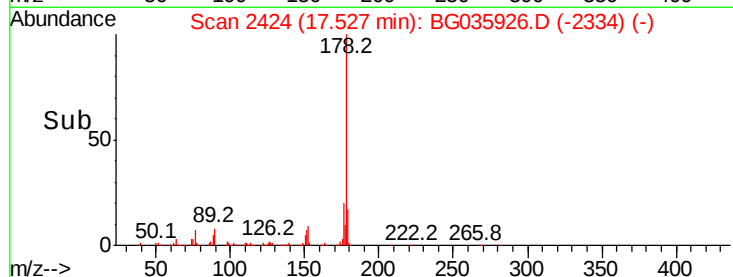
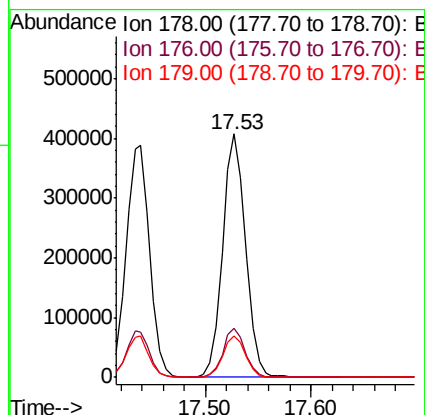
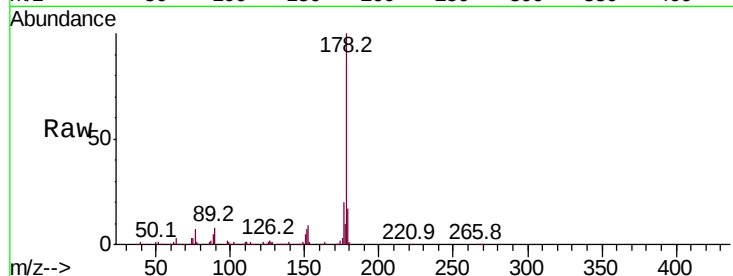




#71  
 Anthracene  
 Concen: 43.042 ng  
 RT: 17.53 min Scan# 2424  
 Delta R.T. -0.00 min  
 Lab File: BG035926.D  
 Acq: 27 Jul 2018 2:22

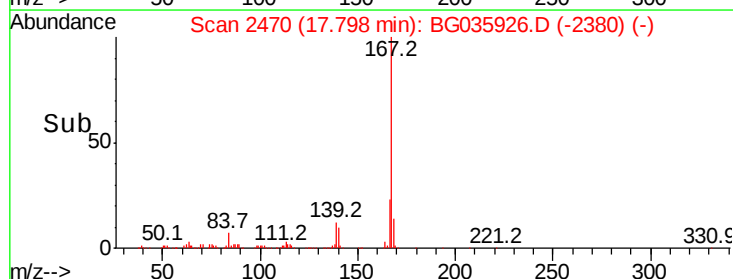
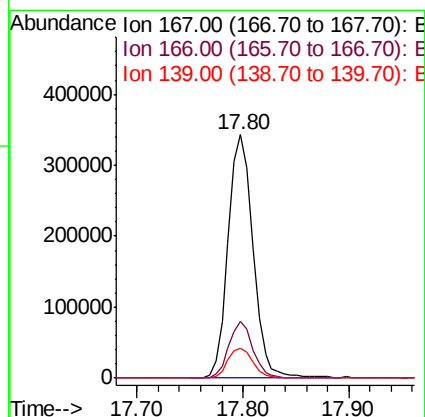
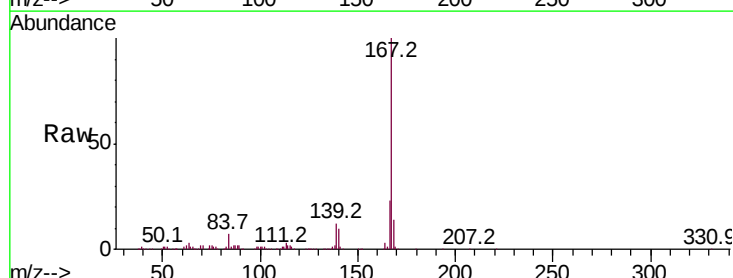
Instrument :  
 BNA\_G  
 ClientSampled :

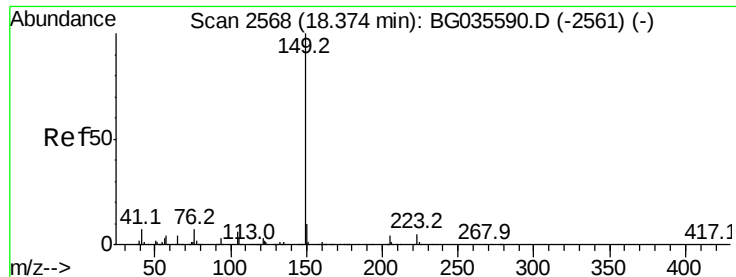
Tot Ion:178 Resp: 611626  
 Ion Ratio Lower Upper  
 178 100  
 176 20.1 16.0 24.0  
 179 16.8 12.5 18.7



#72  
 Carbazole  
 Concen: 41.584 ng  
 RT: 17.80 min Scan# 2470  
 Delta R.T. -0.00 min  
 Lab File: BG035926.D  
 Acq: 27 Jul 2018 2:22

Tgt Ion:167 Resp: 561181  
 Ion Ratio Lower Upper  
 167 100  
 166 23.2 18.2 27.4  
 139 12.1 9.4 14.2





#73

Di-n-butylphthalate

Concen: 40.495 ng

RT: 18.35 min Scan# 2564

Delta R.T. -0.00 min

Lab File: BG035926.D

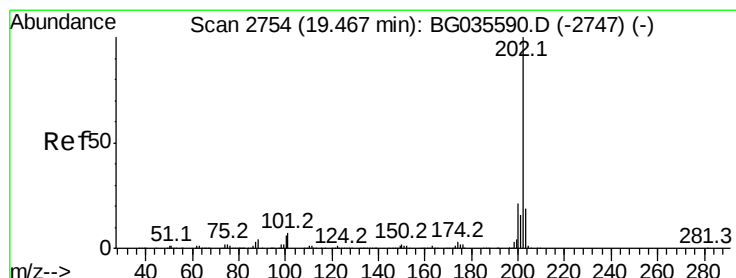
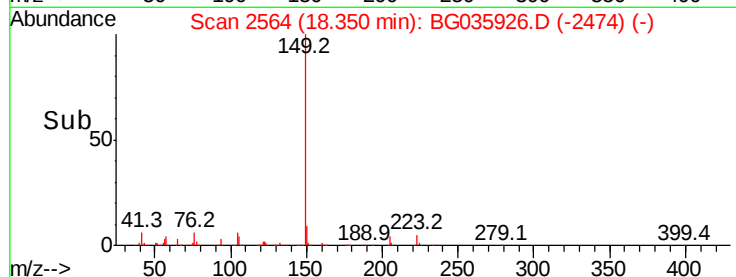
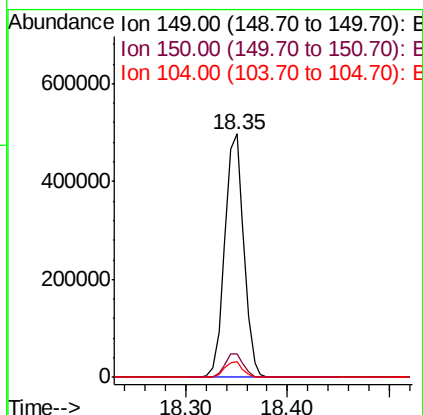
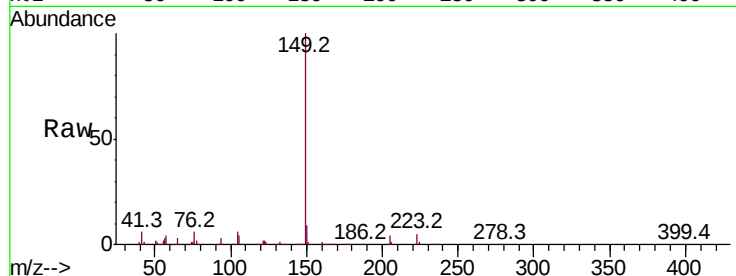
Acq: 27 Jul 2018 2:22

Instrument :

BNA\_G

ClientSampleId :

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 149   | Resp: | 645786 |
| Ion Ratio | Lower | Upper |        |
| 149       | 100   |       |        |
| 150       | 9.4   | 7.8   | 11.6   |
| 104       | 6.2   | 3.9   | 5.9#   |



#74

Fluoranthene

Concen: 41.497 ng

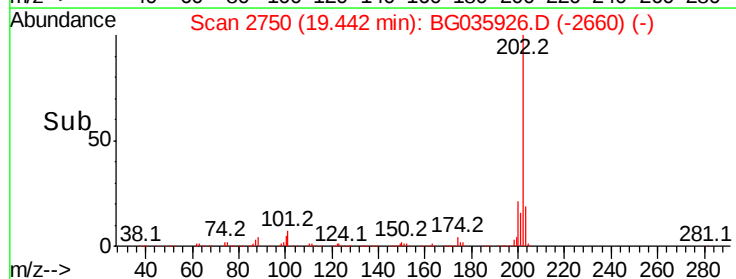
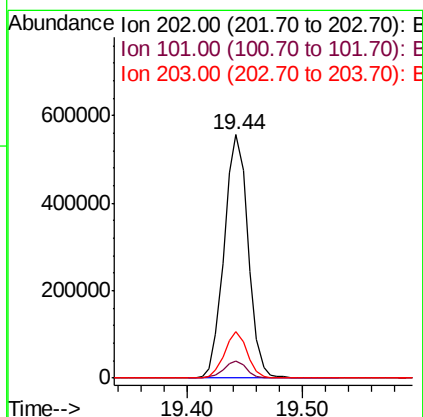
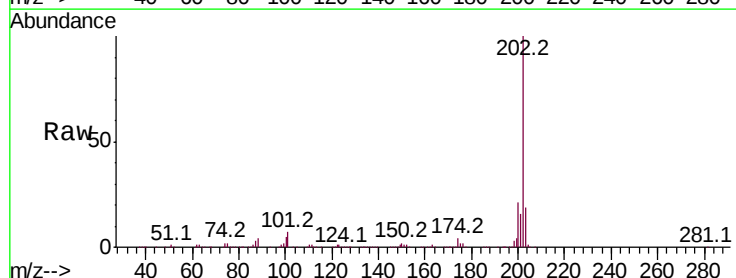
RT: 19.44 min Scan# 2750

Delta R.T. -0.00 min

Lab File: BG035926.D

Acq: 27 Jul 2018 2:22

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 202   | Resp: | 797692 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 101       | 7.0   | 0.0   | 28.9   |
| 203       | 19.2  | 0.0   | 37.5   |





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.66 min Scan# 3127

Delta R.T. -0.00 min

Lab File: BG035926.D

Acq: 27 Jul 2018 2:22

Instrument :

BNA\_G

ClientSampleId :

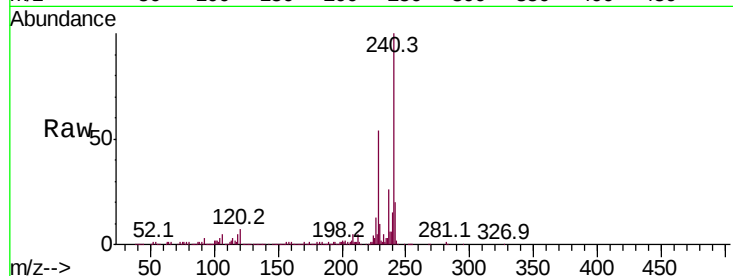
Tot Ion:240 Resp: 304473

Ion Ratio Lower Upper

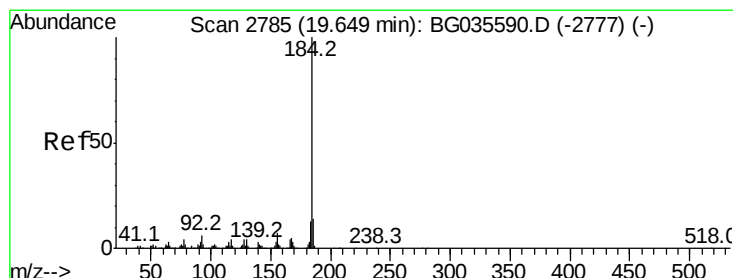
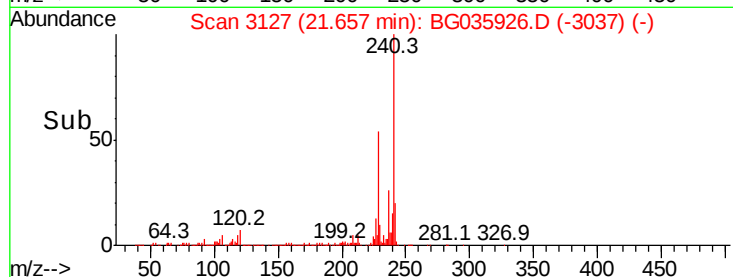
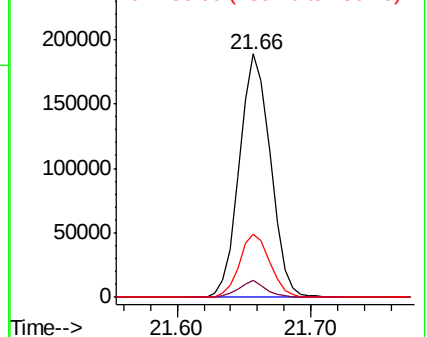
240 100

120 6.9 6.8 10.2

236 26.0 20.9 31.3



Abundance Ion 240.00 (239.70 to 240.70): E  
Ion 120.00 (119.70 to 120.70): E  
Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 41.217 ng

RT: 19.62 min Scan# 2781

Delta R.T. -0.00 min

Lab File: BG035926.D

Acq: 27 Jul 2018 2:22

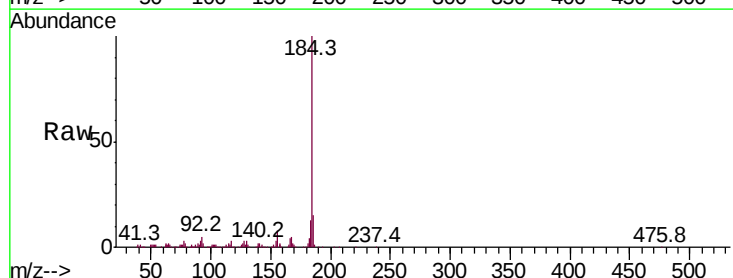
Tgt Ion:184 Resp: 329926

Ion Ratio Lower Upper

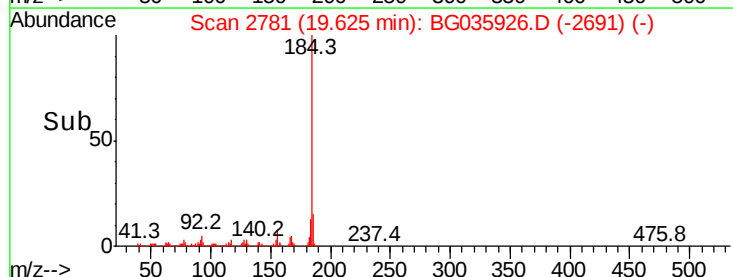
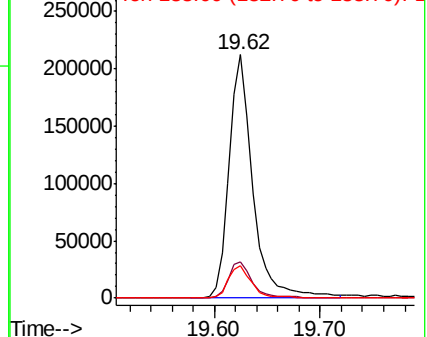
184 100

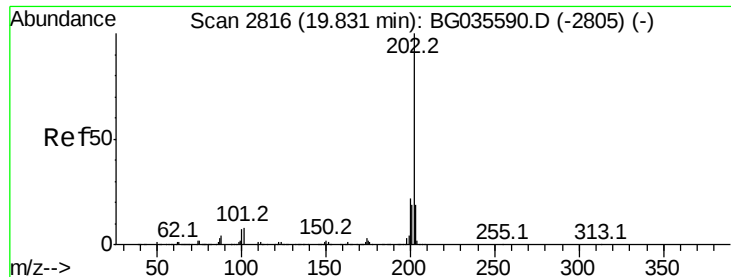
185 15.1 11.1 16.7

183 13.2 10.6 16.0



Abundance Ion 184.00 (183.70 to 184.70): E  
Ion 185.00 (184.70 to 185.70): E  
Ion 183.00 (182.70 to 183.70): E





#77

Pvrene

Concen: 41.255 ng

RT: 19.81 min Scan# 2812

Delta R.T. -0.00 min

Lab File: BG035926.D

Acq: 27 Jul 2018 2:22

Instrument :

BNA\_G

ClientSampleId :

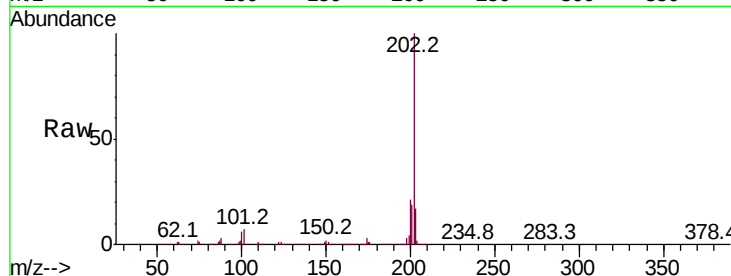
Tot Ion:202 Resp: 794248

Ion Ratio Lower Upper

202 100

200 21.2 16.9 25.3

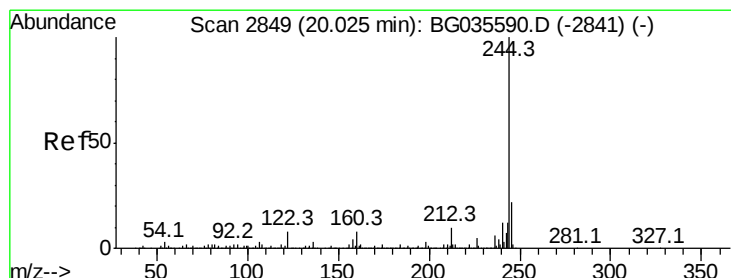
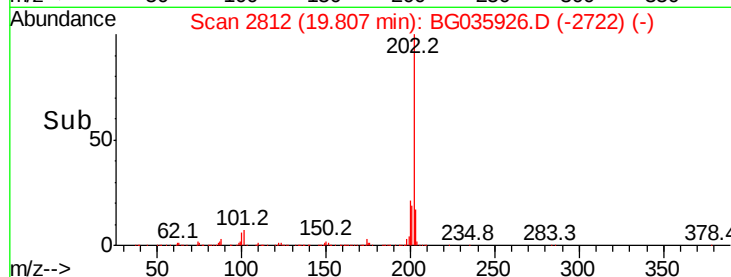
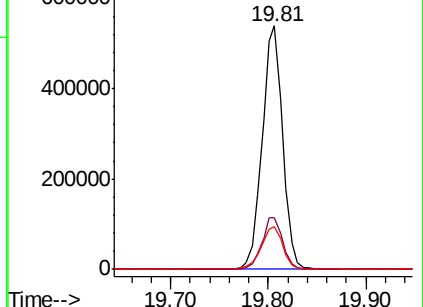
203 17.5 13.9 20.9



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 86.251 ng

RT: 20.00 min Scan# 2845

Delta R.T. -0.00 min

Lab File: BG035926.D

Acq: 27 Jul 2018 2:22

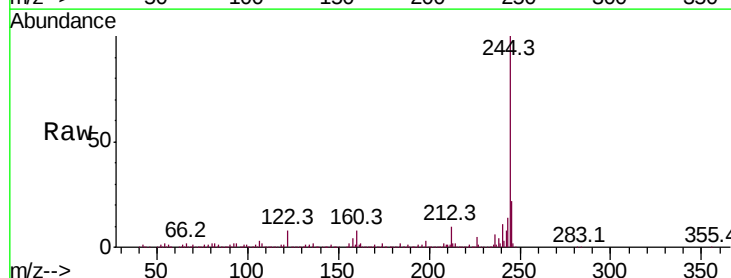
Tgt Ion:244 Resp: 1191357

Ion Ratio Lower Upper

244 100

212 9.5 5.8 8.8#

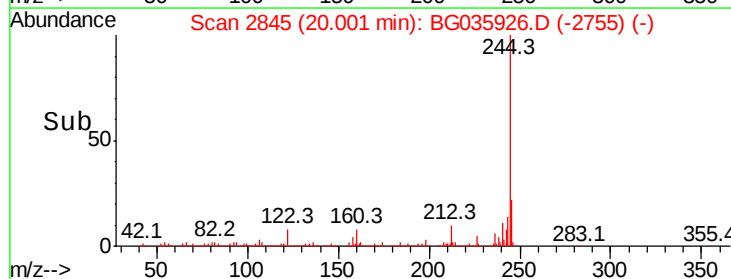
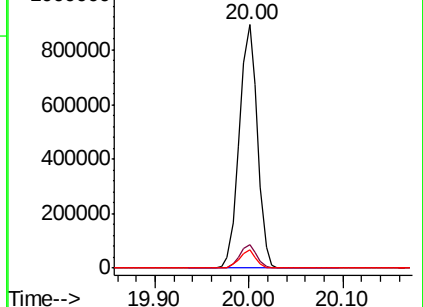
122 7.6 7.0 10.4

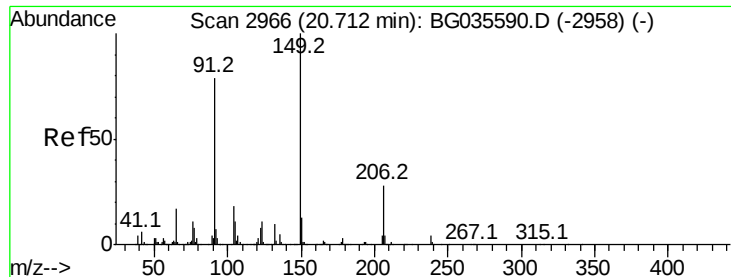


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

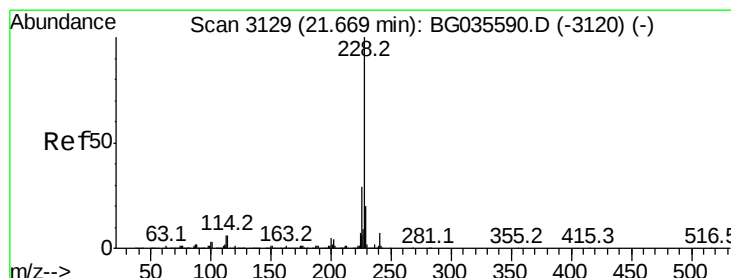
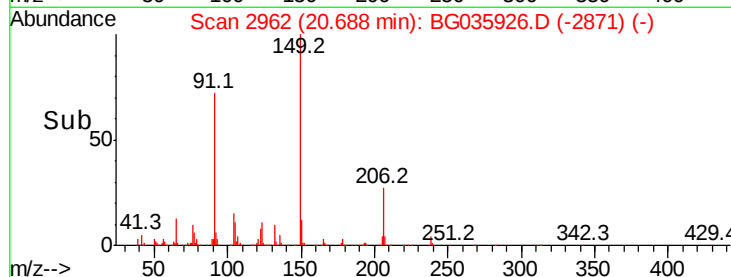
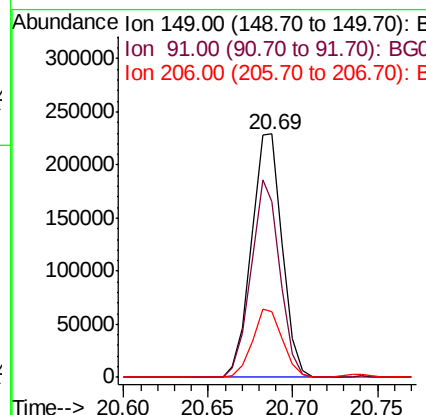
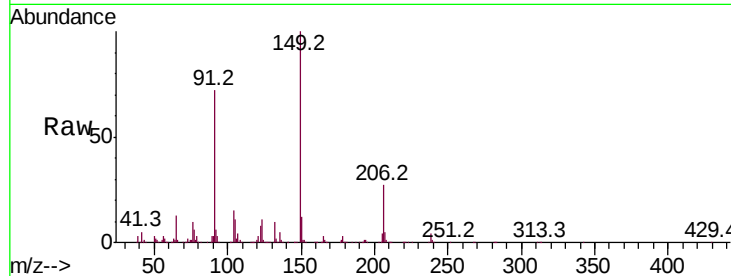




#79  
Butylbenzylphthalate  
Concen: 42.224 ng  
RT: 20.69 min Scan# 2962  
Delta R.T. 0.00 min  
Lab File: BG035926.D  
Acq: 27 Jul 2018 2:22

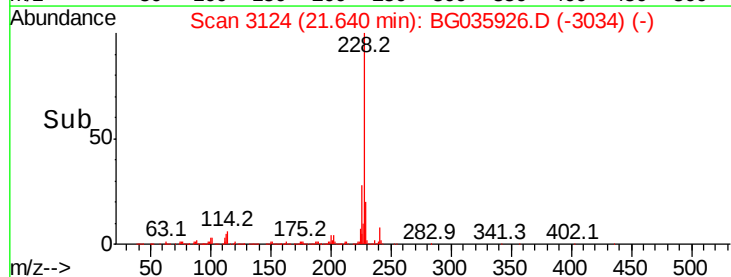
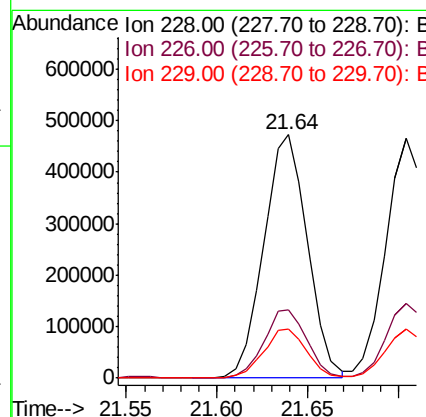
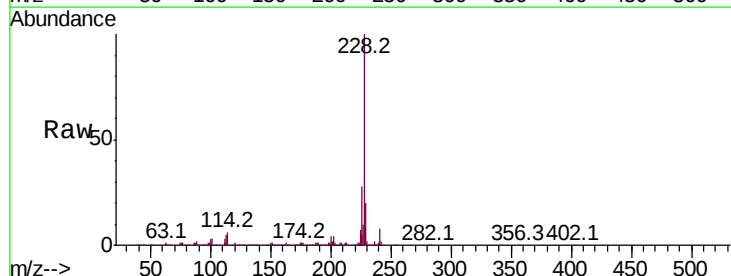
Instrument :  
BNA\_G  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 91      | 72.2  | 62.2  | 93.2  |
| 206     | 26.8  | 18.6  | 27.8  |



#80  
Benzo(a)anthracene  
Concen: 41.927 ng  
RT: 21.64 min Scan# 3124  
Delta R.T. -0.00 min  
Lab File: BG035926.D  
Acq: 27 Jul 2018 2:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 28.2  | 22.7  | 34.1  |
| 229     | 20.3  | 16.2  | 24.2  |

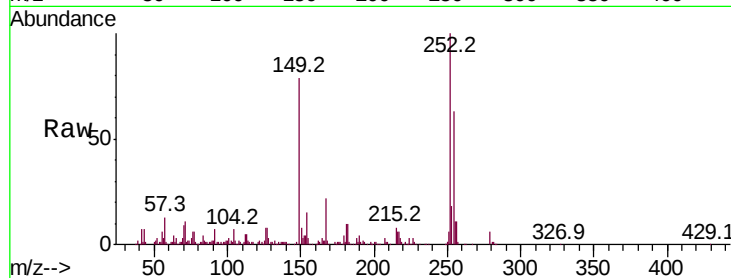




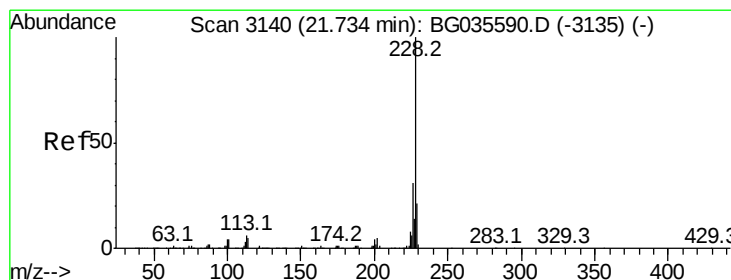
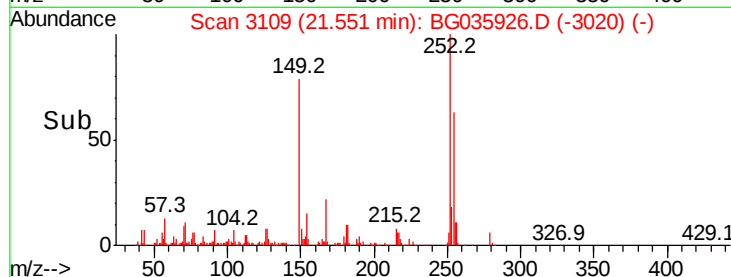
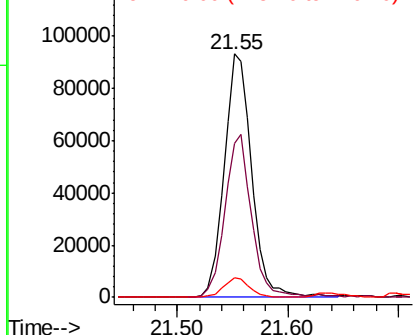
#81  
 3,3'-Dichlorobenzidine  
 Concen: 24.518 ng  
 RT: 21.55 min Scan# 3109  
 Delta R.T. -0.01 min  
 Lab File: BG035926.D  
 Acq: 27 Jul 2018 2:22

Instrument :  
 BNA\_G  
 ClientSampleId :

Tot Ion:252 Resp: 162206  
 Ion Ratio Lower Upper  
 252 100  
 254 63.0 50.8 76.2  
 126 7.9 7.4 11.2

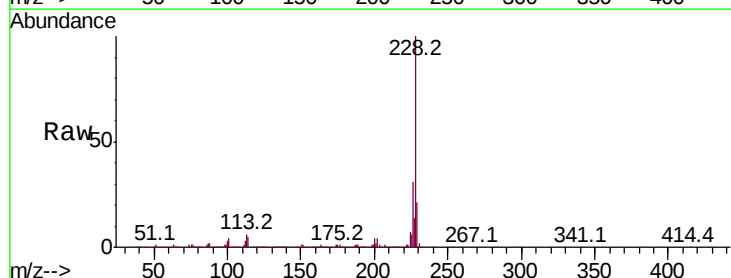


Abundance Ion 252.00 (251.70 to 252.70): E  
 Ion 254.00 (253.70 to 254.70): E  
 Ion 126.00 (125.70 to 126.70): E

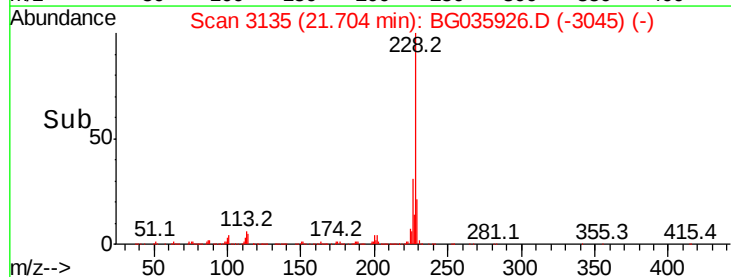
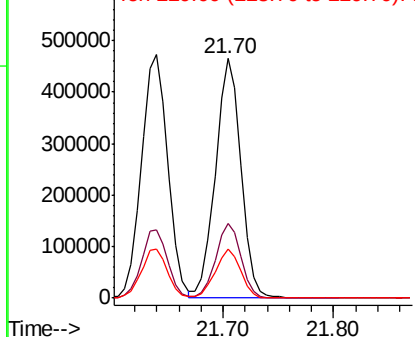


#82  
 Chrysene  
 Concen: 42.239 ng  
 RT: 21.70 min Scan# 3135  
 Delta R.T. -0.00 min  
 Lab File: BG035926.D  
 Acq: 27 Jul 2018 2:22

Tgt Ion:228 Resp: 742677  
 Ion Ratio Lower Upper  
 228 100  
 226 31.2 24.9 37.3  
 229 20.6 15.0 22.4



Abundance Ion 228.00 (227.70 to 228.70): E  
 Ion 226.00 (225.70 to 226.70): E  
 Ion 229.00 (228.70 to 229.70): E

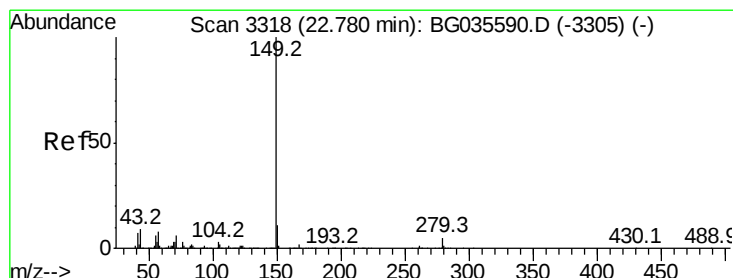
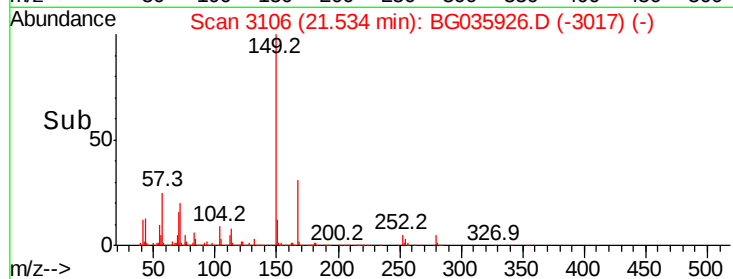
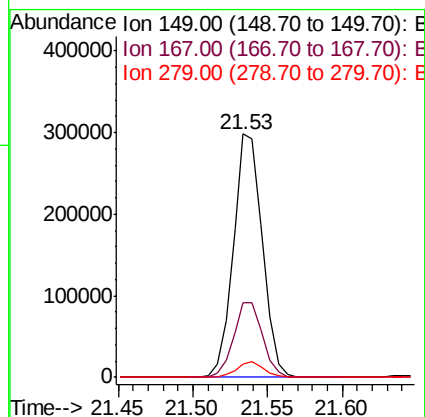
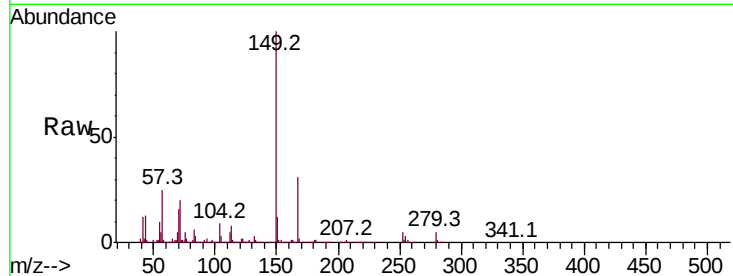




#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 43.157 ng  
 RT: 21.53 min Scan# 3106  
 Delta R.T. -0.01 min  
 Lab File: BG035926.D  
 Acq: 27 Jul 2018 2:22

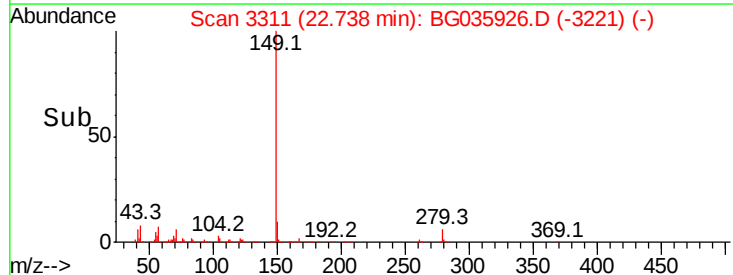
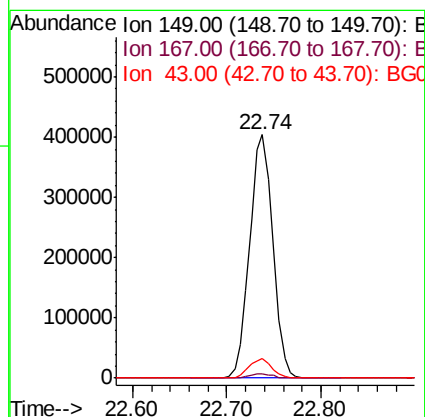
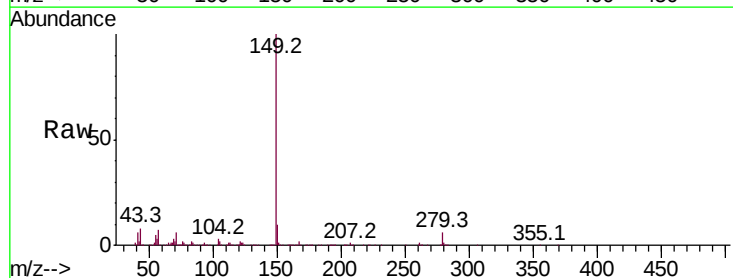
Instrument :  
 BNA\_G  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 30.9  | 24.3  | 36.5  |
| 279     | 5.4   | 4.0   | 6.0   |



#84  
 Di-n-octyl phthalate  
 Concen: 44.023 ng  
 RT: 22.74 min Scan# 3311  
 Delta R.T. -0.00 min  
 Lab File: BG035926.D  
 Acq: 27 Jul 2018 2:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 1.8   | 1.4   | 2.0   |
| 43      | 7.6   | 8.9   | 13.3# |





#85

Indeno(1,2,3-cd)pyrene

Concen: 43.494 ng

RT: 28.51 min Scan# 4293

Delta R.T. 0.00 min

Lab File: BG035926.D

Acq: 27 Jul 2018 2:22

Instrument :

BNA\_G

ClientSampleId :

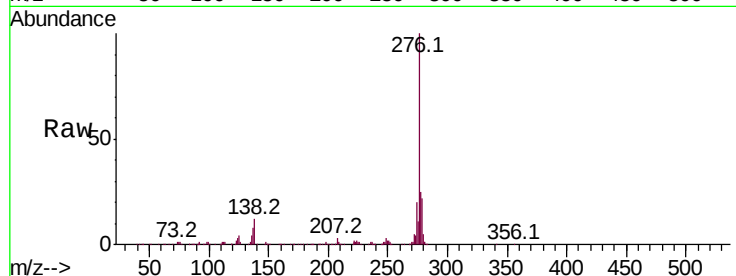
Tot Ion:276 Resp: 846682

Ion Ratio Lower Upper

276 100

138 14.4 16.0 24.0#

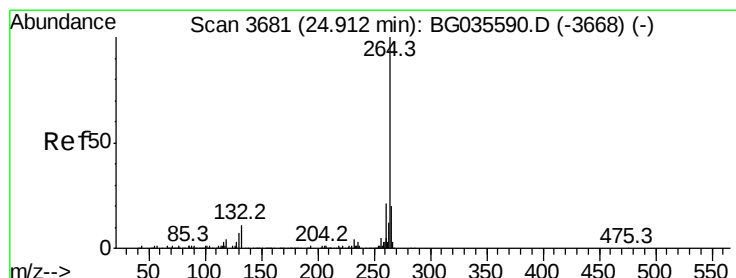
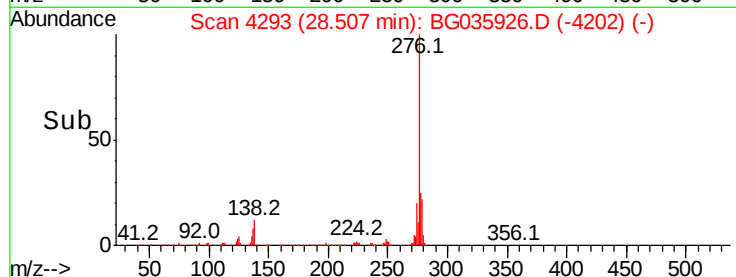
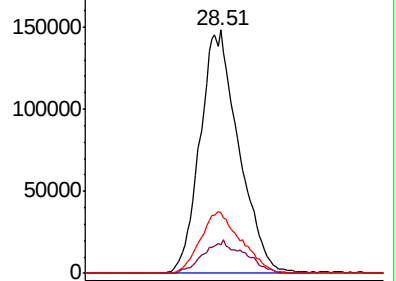
277 26.5 20.0 30.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.86 min Scan# 3672

Delta R.T. -0.00 min

Lab File: BG035926.D

Acq: 27 Jul 2018 2:22

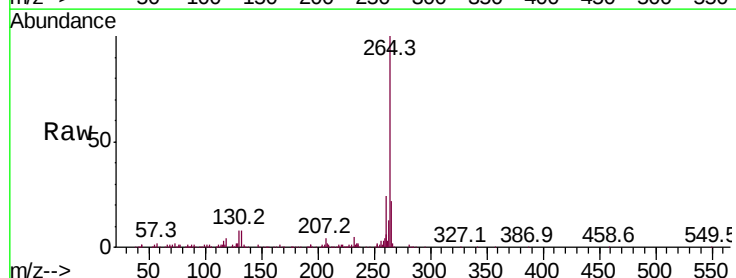
Tgt Ion:264 Resp: 292273

Ion Ratio Lower Upper

264 100

260 23.9 17.4 26.0

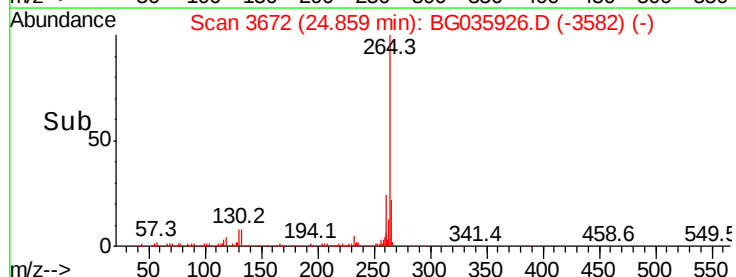
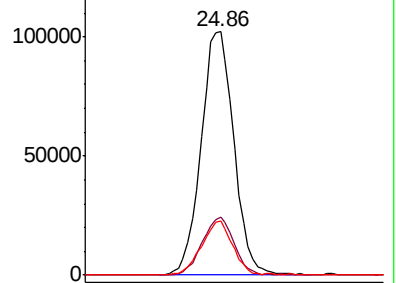
265 22.2 17.7 26.5

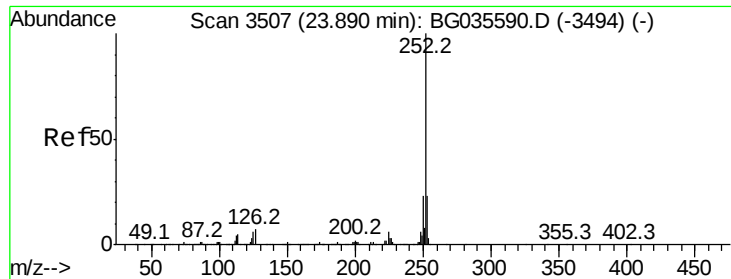


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 42.472 ng

RT: 23.84 min Scan# 3499

Delta R.T. -0.00 min

Lab File: BG035926.D

Acq: 27 Jul 2018 2:22

Instrument :

BNA\_G

ClientSampleId :

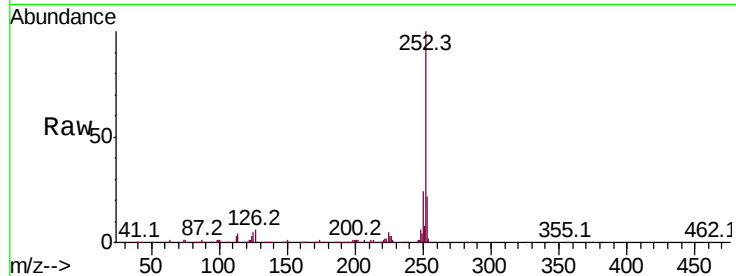
Tot Ion:252 Resp: 754491

Ion Ratio Lower Upper

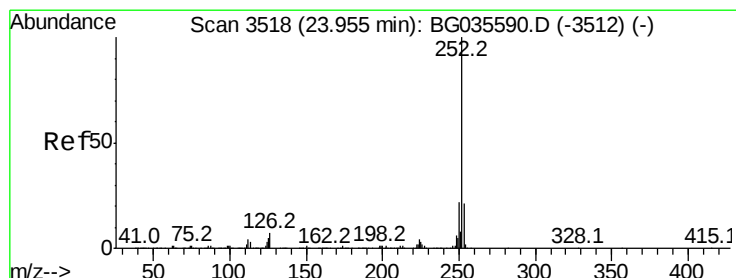
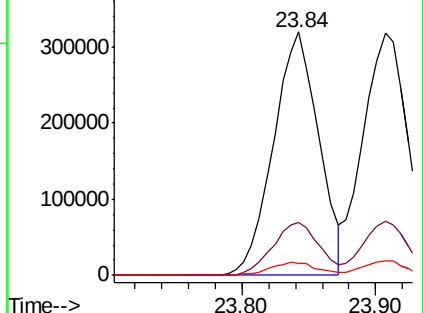
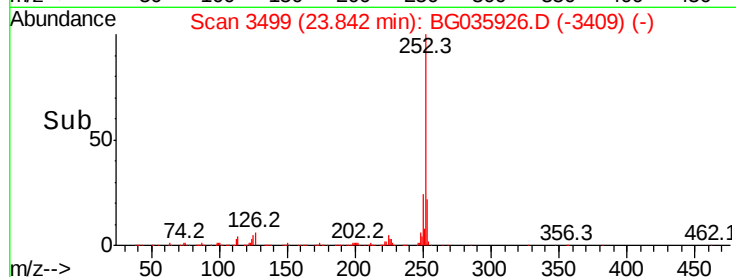
252 100

253 21.5 18.2 27.4

125 5.1 7.2 10.8#



Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 42.649 ng

RT: 23.91 min Scan# 3510

Delta R.T. -0.00 min

Lab File: BG035926.D

Acq: 27 Jul 2018 2:22

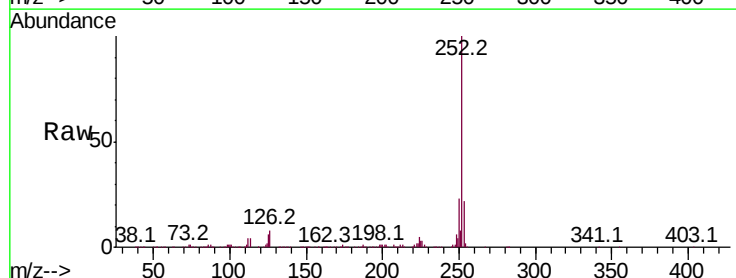
Tgt Ion:252 Resp: 740693

Ion Ratio Lower Upper

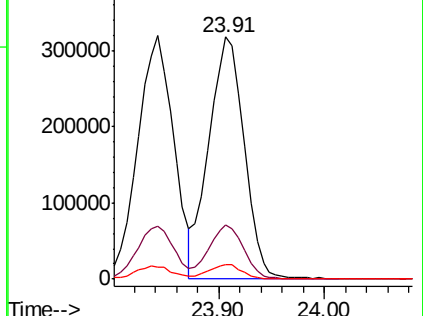
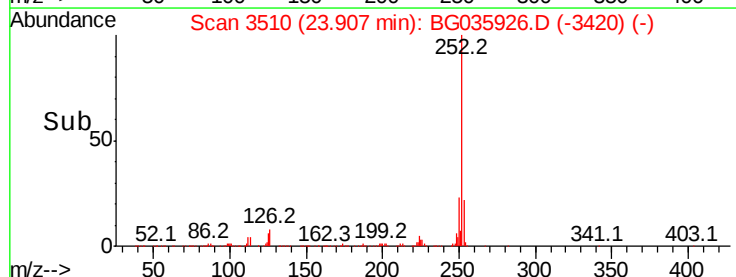
252 100

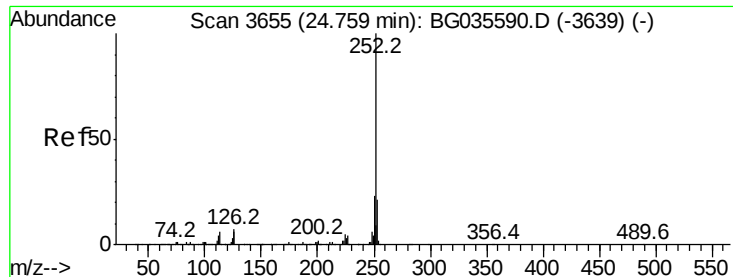
253 22.2 17.4 26.2

125 5.7 6.6 9.8#



Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 43.975 ng

RT: 24.71 min Scan# 3646

Delta R.T. -0.00 min

Lab File: BG035926.D

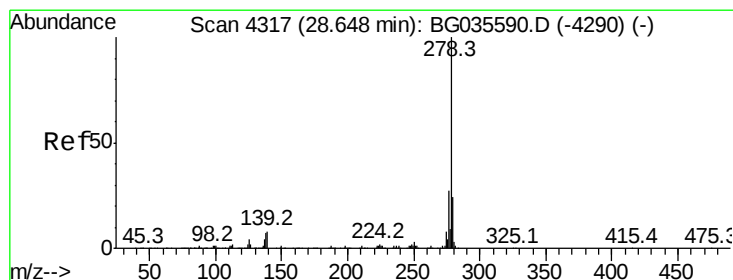
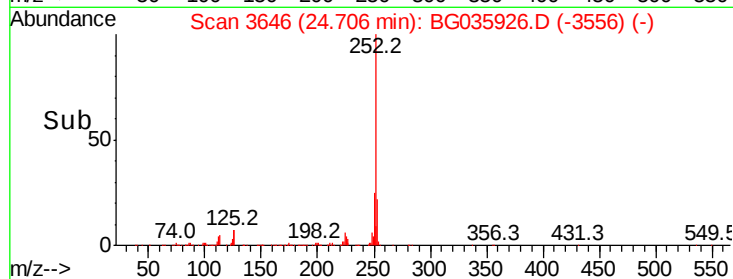
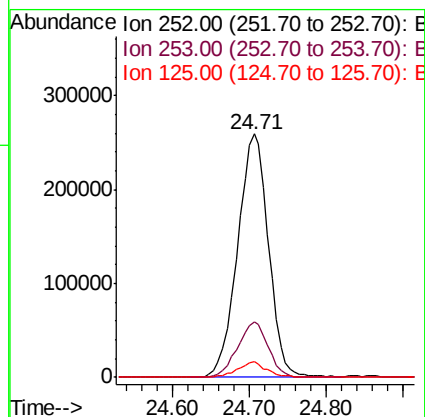
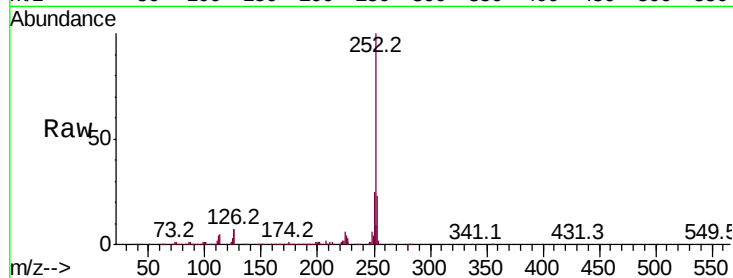
Acq: 27 Jul 2018 2:22

Instrument :

BNA\_G

ClientSampleId :

|             |       |           |
|-------------|-------|-----------|
| Tot Ion:252 | Resp: | 726747    |
| Ion Ratio   | Lower | Upper     |
| 252         | 100   |           |
| 253         | 22.5  | 18.3 27.5 |
| 125         | 6.6   | 7.3 10.9# |



#90

Dibenzo(a,h)anthracene

Concen: 43.601 ng

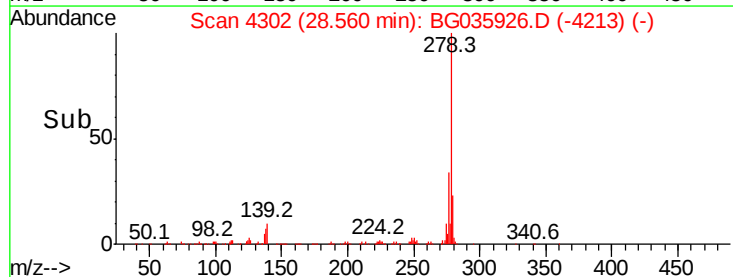
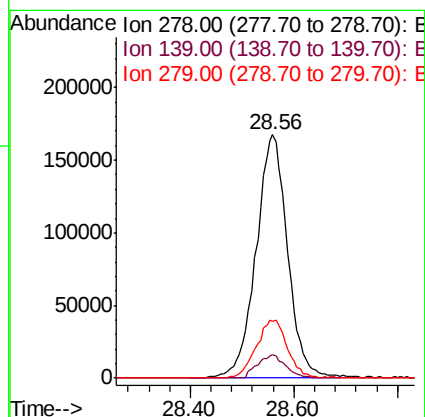
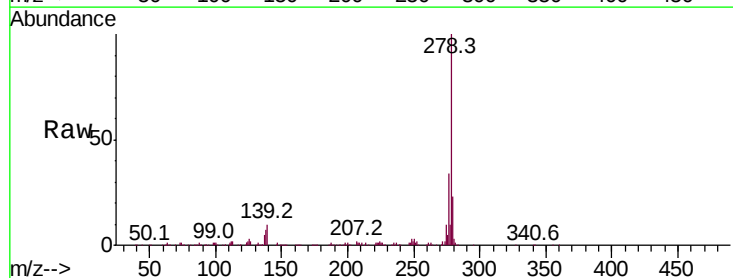
RT: 28.56 min Scan# 4302

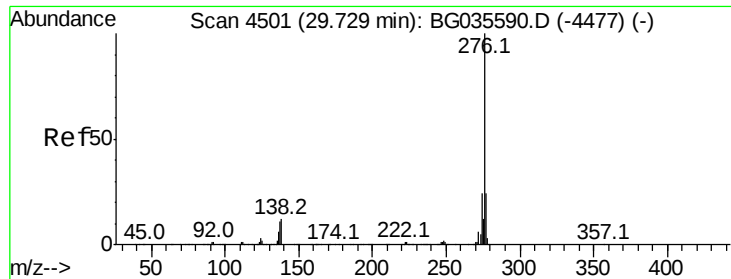
Delta R.T. -0.01 min

Lab File: BG035926.D

Acq: 27 Jul 2018 2:22

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:278 | Resp: | 707422    |
| Ion Ratio   | Lower | Upper     |
| 278         | 100   |           |
| 139         | 9.6   | 9.8 14.6# |
| 279         | 23.2  | 18.4 27.6 |





#91

Benzo(a,h,i)perylene

Concen: 44.399 ng

RT: 29.63 min Scan# 4485

Delta R.T. -0.00 min

Lab File: BG035926.D

Acq: 27 Jul 2018 2:22

Instrument :

BNA\_G

ClientSampleId :

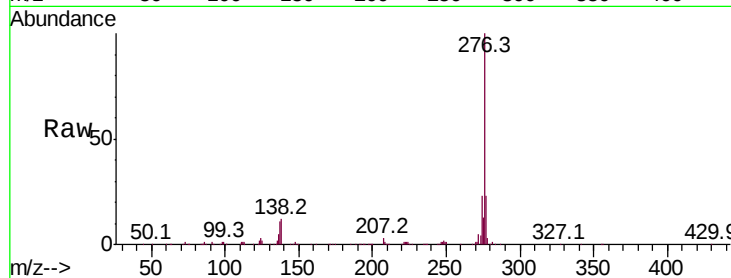
Tot Ion:276 Resp: 704910

Ion Ratio Lower Upper

276 100

277 22.5 18.3 27.5

138 12.4 13.9 20.9#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

